

# Package ‘xaringantheme’

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**Type** Package

**Title** Custom 'xaringan' CSS Themes

**Version** 0.4.3

**Description** Create beautifully color-coordinated and customized themes for your 'xaringan' slides, without writing any CSS. Complete your slide theme with 'ggplot2' themes that match the font and colors used in your slides. Customized styles can be created directly in your slides' 'R Markdown' source file or in a separate external script.

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**URL** <https://pkg.garrickadenbuie.com/xaringantheme/>,  
<https://github.com/gadenbuie/xaringantheme>

**BugReports** <https://github.com/gadenbuie/xaringantheme/issues>

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apply_alpha	<i>Add alpha to hex color</i>
-------------	-------------------------------

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### Description

Applies alpha (or opacity) to a color in hexadecimal form by converting opacity in the  $[0, 1]$  range to hex in the  $[0, 255]$  range and appending to the hex color.

### Usage

```
apply_alpha(color_hex, opacity = 0.5)
```

### Arguments

color_hex	A character string representing a hex color
opacity	Desired opacity of the output color

### Value

A character string with added opacity level as hexadecimal characters.

### Examples

```
blue <- "#0e6ba8"
blue_transparent <- apply_alpha(blue)

if (requireNamespace("scales", quietly = TRUE)) {
  scales::show_col(c(blue, blue_transparent))
}
```

---

choose\_dark\_or\_light *Choose dark or light color*

---

### Description

Takes a color input as `x` and returns either the black or white color (or expression) if dark or light text should be used over the input color for best contrast. Follows W3C Recommendations.

### Usage

```
choose_dark_or_light(x, black = "#000000", white = "#FFFFFF")
```

### Arguments

<code>x</code>	The background color (hex)
<code>black</code>	Text or foreground color, e.g. "#222" or <code>substitute(darken_color(x, 0.8))</code> , if black text provides the best contrast.
<code>white</code>	Text or foreground color or expression, e.g. "#EEE" or <code>substitute(lighten_color(x, 0.8))</code> , if white text provides the best contrast.

### Value

The black color or white color according to which color provides the greatest contrast with the input color.

### References

<https://stackoverflow.com/a/3943023/2022615>

### Examples

```
light_green <- "#c4d6b0"
contrast_green <- choose_dark_or_light(light_green)
dark_purple <- "#381d2a"
contrast_purple <- choose_dark_or_light(dark_purple)

if (requireNamespace("scales", quietly = TRUE)) {
  scales::show_col(c(light_green, contrast_green, dark_purple, contrast_purple))
}
```

---

google\_font                      *Specify Google Font*

---

### Description

Builds Google Fonts URL from family name. Extra weights are given in the ... parameters. Languages can be specified in languages and must one or more of the language codes as given by google\_language\_codes().

### Usage

```
google_font(family, ..., languages = NULL)
```

### Arguments

family	Font family
...	Font weights to include, example "400", "400i"
languages	Font languages to include (dependent on the font.) See <a href="#">google_language_codes()</a> .

### Value

A "google\_font" object.

### Examples

```
google_font("Josefin Sans", "400", "400i", "600i", "700")
google_font("Josefin Sans", languages = c("latin-ext", "vietnamese"))
```

---

google\_language\_codes    *List Valid Google Language Codes*

---

### Description

Gives a list of valid Language Codes for Google Fonts, or validates that the language codes given are valid.

### Usage

```
google_language_codes(
  language_codes = c("latin", "latin-ext", "sinhala", "greek", "hebrew", "vietnamese",
    "cyrillic", "cyrillic-ext", "devanagari", "arabic", "khmer", "tamil", "greek-ext",
    "thai", "bengali", "gujarati", "oriya", "malayalam", "gurmukhi", "kannada", "telugu",
    "myanmar")
)
```

**Arguments**

language\_codes Vector of potential Google language codes

**Value**

A vector of Google Font language codes matching language\_codes.

**See Also**

[google\\_font\(\)](#)

---

lighten\_darken\_color *Generate lighter or darker version of a color*

---

**Description**

Produces a linear blend of the color with white or black.

**Usage**

```
lighten_color(color_hex, strength = 0.7)
```

```
darken_color(color_hex, strength = 0.8)
```

**Arguments**

color\_hex A character string representing a hex color

strength The "strength" of the blend with white or black, where 0 is entirely the original color and 1 is entirely white (`lighten_color()`) or black (`darken_color()`).

**Value**

A character string with the lightened or darkened color in hexadecimal format.

**Examples**

```
blue <- "#0e6ba8"
blue_light <- lighten_color(blue, strength = 0.33)
blue_dark <- darken_color(blue, strength = 0.33)

if (requireNamespace("scales", quietly = TRUE)) {
  scales::show_col(c(blue_light, blue, blue_dark))
}
```

---

`scale_xaringan`*Themed ggplot2 Scales*

---

## Description

### [Maturing]

Color and fill single-color scales for discrete and continuous values, created using the primary accent color of the `xaringan` themes. See `vignette("ggplot2-themes")` for more information and examples of `xaringan`'s `ggplot2`-related functions.

## Usage

```
scale_xaringan_discrete(  
  aes_type = c("color", "colour", "fill"),  
  ...,  
  color = NULL,  
  direction = 1,  
  inverse = FALSE  
)
```

```
scale_xaringan_fill_discrete(..., color = NULL, direction = 1, inverse = FALSE)
```

```
scale_xaringan_color_discrete(  
  ...,  
  color = NULL,  
  direction = 1,  
  inverse = FALSE  
)
```

```
scale_xaringan_colour_discrete(  
  ...,  
  color = NULL,  
  direction = 1,  
  inverse = FALSE  
)
```

```
scale_xaringan_continuous(  
  aes_type = c("color", "colour", "fill"),  
  ...,  
  color = NULL,  
  begin = 0,  
  end = 1,  
  inverse = FALSE  
)
```

```
scale_xaringan_fill_continuous(  
  ...,  
  color = NULL,  
  direction = 1,  
  inverse = FALSE  
)
```

```

    ...,
    color = NULL,
    begin = 0,
    end = 1,
    inverse = FALSE
  )

scale_xaringan_color_continuous(
  ...,
  color = NULL,
  begin = 0,
  end = 1,
  inverse = FALSE
)

scale_xaringan_colour_continuous(
  ...,
  color = NULL,
  begin = 0,
  end = 1,
  inverse = FALSE
)

```

### Arguments

<code>aes_type</code>	The type of aesthetic to which the scale is being applied. One of "color", "colour", or "fill".
<code>...</code>	Arguments passed on to either the <b>colorspace</b> scale functions — one of <code>colorspace::scale_color_discrete()</code> , <code>colorspace::scale_color_continuous_sequential()</code> , <code>colorspace::scale_fill_discrete_sequential()</code> , or <code>colorspace::scale_fill_continuous_sequential()</code> — or to <code>ggplot2::continuous_scale()</code> or <code>ggplot2::discrete_scale()</code> .
<code>color</code>	A color value, in hex, to override the default color. Otherwise, the primary color of the resulting scale is chosen from the xaringantheme slide styles.
<code>direction</code>	Direction of the discrete scale. Use values less than 0 to reverse the direction, e.g. <code>direction = -1</code> .
<code>inverse</code>	If <code>color</code> is not supplied and <code>inverse = TRUE</code> , a primary color is chosen to work well with the inverse slide styles, namely the value of <code>inverse_header_color</code> .
<code>begin</code>	Number in the range of <code>[0, 1]</code> indicating to which point in the color scale the smallest data value should be mapped.
<code>end</code>	Number in the range of <code>[0, 1]</code> indicating to which point in the color scale the largest data value should be mapped.

### Examples

```

# Requires ggplot2
has_ggplot2 <- requireNamespace("ggplot2", quietly = TRUE)

```

```

if (has_ggplot2) {
  library(ggplot2)
  # Saving the theme to a temp file because this is an example
  path_to_css_file <- tempfile(fileext = ".css")

  # Create the xaringan theme: dark blue background with teal green accents
  style_duo(
    primary_color = "#002b36",
    secondary_color = "#31b09e",
    # Using basic fonts for this example, but the plot theme will
    # automatically use your theme font if you use Google fonts
    text_font_family = "sans",
    header_font_family = "serif",
    outfile = path_to_css_file
  )

  # Here's some very basic example data
  ex <- data.frame(
    name = c("Couple", "Few", "Lots", "Many"),
    n = c(2, 3, 5, 7)
  )

  # Fill color scales demo
  ggplot(ex) +
    aes(name, n, fill = n) +
    geom_col() +
    ggtitle("Matching fill scales") +
    # themed to match the slides: dark blue background with teal text
    theme_xaringan() +
    # Fill color matches teal text
    scale_xaringan_fill_continuous()

  # Color scales demo
  ggplot(ex) +
    aes(name, y = 1, color = name) +
    geom_point(size = 10) +
    ggtitle("Matching color scales") +
    # themed to match the slides: dark blue background with teal text
    theme_xaringan() +
    # Fill color matches teal text
    scale_xaringan_color_discrete(direction = -1)
}

```

---

style\_duo

*Duotone Theme*


---

### Description

A duotone theme designed to work well with two complementary colors.



**Usage**

```
style_duo(  
  primary_color = "#1F4257",  
  secondary_color = "#F97B64",  
  text_color = choose_dark_or_light(primary_color, darken_color(primary_color, 0.9),  
    lighten_color(secondary_color, 0.99)),  
  header_color = secondary_color,  
  background_color = primary_color,  
  link_color = secondary_color,  
  text_bold_color = secondary_color,  
  text_slide_number_color = text_color,  
  padding = "16px 64px 16px 64px",  
  background_image = NULL,  
  background_size = NULL,  
  background_position = NULL,  
  code_highlight_color = "rgba(255,255,0,0.5)",  
  code_inline_color = secondary_color,  
  code_inline_background_color = NULL,  
  code_inline_font_size = "1em",  
  inverse_background_color = secondary_color,  
  inverse_text_color = primary_color,  
  inverse_text_shadow = FALSE,  
  inverse_header_color = inverse_text_color,  
  inverse_link_color = link_color,  
  title_slide_text_color = secondary_color,  
  title_slide_background_color = primary_color,  
  title_slide_background_image = NULL,  
  title_slide_background_size = NULL,  
  title_slide_background_position = NULL,  
  footnote_color = NULL,  
  footnote_font_size = "0.9em",  
  footnote_position_bottom = "60px",  
  left_column_subtle_color = apply_alpha(secondary_color, 0.6),  
  left_column_selected_color = secondary_color,  
  blockquote_left_border_color = apply_alpha(secondary_color, 0.5),  
  table_border_color = "#666",  
  table_row_border_color = "#ddd",  
  table_row_even_background_color = lighten_color(primary_color, 0.9),  
  base_font_size = "20px",  
  text_font_size = "1rem",  
  header_h1_font_size = "2.75rem",  
  header_h2_font_size = "2.25rem",  
  header_h3_font_size = "1.75rem",  
  header_background_auto = FALSE,  
  header_background_color = header_color,  
  header_background_text_color = background_color,  
  header_background_padding = NULL,  
  header_background_content_padding_top = "7rem",
```

```

header_background_ignore_classes = c("normal", "inverse", "title", "middle", "bottom"),
text_slide_number_font_size = "0.9rem",
text_font_google = NULL,
text_font_family = xaringantheme_font_default("text_font_family"),
text_font_weight = xaringantheme_font_default("text_font_weight"),
text_bold_font_weight = "bold",
text_font_url = xaringantheme_font_default("text_font_url"),
text_font_family_fallback = xaringantheme_font_default("text_font_family_fallback"),
text_font_base = "sans-serif",
header_font_google = NULL,
header_font_family = xaringantheme_font_default("header_font_family"),
header_font_weight = xaringantheme_font_default("header_font_weight"),
header_font_family_fallback = "Georgia, serif",
header_font_url = xaringantheme_font_default("header_font_url"),
code_font_google = NULL,
code_font_family = xaringantheme_font_default("code_font_family"),
code_font_size = "0.9rem",
code_font_url = xaringantheme_font_default("code_font_url"),
code_font_family_fallback = xaringantheme_font_default("code_font_family_fallback"),
link_decoration = "none",
colors = NULL,
extra_css = NULL,
extra_fonts = NULL,
outfile = "xaringan-theme.css"
)

```

## Arguments

- primary\_color** Duotone Primary Color. Defaults to #1F4257. Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with `var(--primary)` in any argument of a style function or in custom CSS.
- secondary\_color** Duotone Secondary Color. Defaults to #F97B64. Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with `var(--secondary)` in any argument of a style function or in custom CSS.
- text\_color** Text Color. Defaults to `choose_dark_or_light(primary_color, darken_color(primary_color, 0.9), lighten_color(secondary_color, 0.99))`. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with `var(--text_color)` in any argument of a style function or in custom CSS.
- header\_color** Header Color. Defaults to `secondary_color`. Modifies the `h1`, `h2`, `h3` elements. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-color)` in any argument of a style function or in custom CSS.
- background\_color** Slide Background Color. Defaults to `primary_color`. Modifies the `.remark-slide-content` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--background-color)` in any argument of a style function or in custom CSS.

link_color	Link Color. Defaults to secondary_color. Modifies the a, a > code elements. The value of this variable is also stored as a CSS variable that can be referenced with var(--link-color) in any argument of a style function or in custom CSS.
text_bold_color	Bold Text Color. Defaults to secondary_color. Modifies the strong element. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-bold-color) in any argument of a style function or in custom CSS.
text_slide_number_color	Slide Number Color. Defaults to text_color. Modifies the .remark-slide-number class.
padding	Slide Padding in top right [bottom left] format. Defaults to 16px 64px 16px 64px. Modifies the .remark-slide-content class. Accepts CSS padding property values.
background_image	Background image applied to each <i>and every</i> slide. Set title_slide_background_image = "none" to remove the background image from the title slide. Defaults to NULL. Modifies the .remark-slide-content class.
background_size	Background image size, requires background_image to be set. If background_image is set, background_size will default to cover so the background fills the screen. If both background_image and background_position are set, will default to 100 percent. Defaults to NULL. Modifies the .remark-slide-content class. Accepts CSS background-size property values.
background_position	Background image position, requires background_image to be set, and it is recommended to adjust background_size. Defaults to NULL. Modifies the .remark-slide-content class. Accepts CSS background-position property values.
code_highlight_color	Code Line Highlight. Defaults to rgba(255,255,0,0.5). Modifies the .remark-code-line-highlighted class. The value of this variable is also stored as a CSS variable that can be referenced with var(--code-highlight-color) in any argument of a style function or in custom CSS.
code_inline_color	Inline Code Color. Defaults to secondary_color. Modifies the .remark-inline-code class.
code_inline_background_color	Inline Code Background Color. Defaults to NULL. Modifies the .remark-inline-code class.
code_inline_font_size	Inline Code Text Font Size. Defaults to 1em. Modifies the .remark-inline-code class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--code-inline-font-size) in any argument of a style function or in custom CSS.
inverse_background_color	Inverse Background Color. Defaults to secondary_color. Modifies the .inverse class. The value of this variable is also stored as a CSS variable that can be ref-

	erenced with <code>var(--inverse-background-color)</code> in any argument of a style function or in custom CSS.
<code>inverse_text_color</code>	Inverse Text Color. Defaults to <code>primary_color</code> . Modifies the <code>.inverse</code> class. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--inverse-text-color)</code> in any argument of a style function or in custom CSS.
<code>inverse_text_shadow</code>	Enables Shadow on text of inverse slides. Defaults to <code>FALSE</code> . Modifies the <code>.inverse</code> class.
<code>inverse_header_color</code>	Inverse Header Color. Defaults to <code>inverse_text_color</code> . Modifies the <code>.inverse h1</code> , <code>.inverse h2</code> , <code>.inverse h3</code> classes. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--inverse-header-color)</code> in any argument of a style function or in custom CSS.
<code>inverse_link_color</code>	Inverse Link Color. Defaults to <code>link_color</code> . Modifies the <code>.inverse a</code> , <code>.inverse a &gt; code</code> classes. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--inverse-link-color)</code> in any argument of a style function or in custom CSS.
<code>title_slide_text_color</code>	Title Slide Text Color. Defaults to <code>secondary_color</code> . Modifies the <code>.title-slide</code> class. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--title-slide-text-color)</code> in any argument of a style function or in custom CSS.
<code>title_slide_background_color</code>	Title Slide Background Color. Defaults to <code>primary_color</code> . Modifies the <code>.title-slide</code> class. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--title-slide-background-color)</code> in any argument of a style function or in custom CSS.
<code>title_slide_background_image</code>	Title Slide Background Image URL. Defaults to <code>NULL</code> . Modifies the <code>.title-slide</code> class.
<code>title_slide_background_size</code>	Title Slide Background Image Size, defaults to "cover" if background image is set. Defaults to <code>NULL</code> . Modifies the <code>.title-slide</code> class. Accepts CSS <b>background-size</b> property values.
<code>title_slide_background_position</code>	Title Slide Background Image Position. Defaults to <code>NULL</code> . Modifies the <code>.title-slide</code> class. Accepts CSS <b>background-position</b> property values.
<code>footnote_color</code>	Footnote text color (if NA, then it will be the same color as <code>text_color</code> ). Defaults to <code>NULL</code> . Modifies the <code>.footnote</code> class.
<code>footnote_font_size</code>	Footnote font size. Defaults to <code>0.9em</code> . Modifies the <code>.footnote</code> class. Accepts CSS <b>font-size</b> property values.
<code>footnote_position_bottom</code>	Footnote location from bottom of screen. Defaults to <code>60px</code> . Modifies the <code>.footnote</code> class. Accepts CSS <b>position</b> property values.

left_column_subtle_color	Left Column Text (not last). Defaults to <code>apply_alpha(secondary_color, 0.6)</code> . Modifies the <code>.left-column h2</code> , <code>.left-column h3</code> classes.
left_column_selected_color	Left Column Current Selection. Defaults to <code>secondary_color</code> . Modifies the <code>.left-column h2:last-of-type</code> , <code>.left-column h3:last-child</code> classes.
blockquote_left_border_color	Blockquote Left Border Color. Defaults to <code>apply_alpha(secondary_color, 0.5)</code> . Modifies the blockquote element.
table_border_color	Table top/bottom border. Defaults to <code>#666</code> . Modifies the <code>table: border-top</code> , <code>border-bottom</code> elements.
table_row_border_color	Table row inner bottom border. Defaults to <code>#ddd</code> . Modifies the <code>table thead th: border-bottom</code> elements.
table_row_even_background_color	Table Even Row Background Color. Defaults to <code>lighten_color(primary_color, 0.9)</code> . Modifies the <code>thead</code> , <code>tfoot</code> , <code>tr:nth-child(even)</code> elements.
base_font_size	Base Font Size for All Slide Elements (must be px). Defaults to <code>20px</code> . Modifies the html element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--base-font-size)</code> in any argument of a style function or in custom CSS.
text_font_size	Slide Body Text Font Size. Defaults to <code>1rem</code> . Modifies the <code>.remark-slide-content</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-font-size)</code> in any argument of a style function or in custom CSS.
header_h1_font_size	h1 Header Text Font Size. Defaults to <code>2.75rem</code> . Modifies the <code>.remark-slide-content h1</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-h1-font-size)</code> in any argument of a style function or in custom CSS.
header_h2_font_size	h2 Header Text Font Size. Defaults to <code>2.25rem</code> . Modifies the <code>.remark-slide-content h2</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-h2-font-size)</code> in any argument of a style function or in custom CSS.
header_h3_font_size	h3 Header Text Font Size. Defaults to <code>1.75rem</code> . Modifies the <code>.remark-slide-content h3</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-h3-font-size)</code> in any argument of a style function or in custom CSS.
header_background_auto	Add background under slide title automatically for h1 header elements. If not enabled, use <code>class: header_background</code> to enable. Defaults to <code>FALSE</code> .
header_background_color	Background Color for h1 Header with Background. Defaults to <code>header_color</code> . Modifies the <code>.remark-slide-content h1</code> class. The value of this variable is

also stored as a CSS variable that can be referenced with `var(--header-background-color)` in any argument of a style function or in custom CSS.

`header_background_text_color`

Text Color for h1 Header with Background. Defaults to `background_color`. Modifies the `.remark-slide-content h1` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-background-text-color)` in any argument of a style function or in custom CSS.

`header_background_padding`

Padding for h1 Header with Background. Defaults to NULL. Modifies the `.remark-slide-content h1` class. Accepts CSS `padding` property values.

`header_background_content_padding_top`

Top Padding for Content in Slide with Header with Background. Defaults to 7rem. Modifies the `.remark-slide-content` class.

`header_background_ignore_classes`

Slide Classes Where Header with Background will not be Applied. Defaults to `c('normal', 'inverse', 'title', 'middle', 'bottom')`. Modifies the `.remark-slide-content` class.

`text_slide_number_font_size`

Slide Number Text Font Size. Defaults to 0.9rem. Modifies the `.remark-slide-number` class. Accepts CSS `font-size` property values.

`text_font_google`

Use `google_font()` to specify body font. Defaults to NULL. Modifies the body element.

`text_font_family`

Body Text Font Family (xaringan default is 'Droid Serif'). Defaults to `xaringanthemer_font_default`. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with `var(--text-font-family)` in any argument of a style function or in custom CSS.

`text_font_weight`

Body Text Font Weight. Defaults to `xaringanthemer_font_default("text_font_weight")`. Modifies the body element. Accepts CSS `font-weight` property values.

`text_bold_font_weight`

Body Bold Text Font Weight. Defaults to bold. Modifies the strong element.

`text_font_url`

Body Text Font URL(s). Defaults to `xaringanthemer_font_default("text_font_url")`. Modifies the `@import url()` elements.

`text_font_family_fallback`

Body Text Font Fallbacks. Defaults to `xaringanthemer_font_default("text_font_family_fallback")`. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with `var(--text-font-family-fallback)` in any argument of a style function or in custom CSS.

`text_font_base`

Body Text Base Font (Total Failure Fallback). Defaults to sans-serif. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with `var(--text-font-base)` in any argument of a style function or in custom CSS.

`header_font_google`

Use `google_font()` to specify header font. Defaults to NULL. Modifies the body element.

header_font_family	Header Font Family (xaringan default is 'Yanone Kaffeesatz'). Defaults to <code>xaringantheme_font_default("header_font_family")</code> . Modifies the <code>h1</code> , <code>h2</code> , <code>h3</code> elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-font-family)</code> in any argument of a style function or in custom CSS.
header_font_weight	Header Font Weight. Defaults to <code>xaringantheme_font_default("header_font_weight")</code> . Modifies the <code>h1</code> , <code>h2</code> , <code>h3</code> elements. Accepts CSS <b>font-weight</b> property values.
header_font_family_fallback	Header Font Family Fallback. Defaults to Georgia, serif. Modifies the <code>h1</code> , <code>h2</code> , <code>h3</code> elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-font-family-fallback)</code> in any argument of a style function or in custom CSS.
header_font_url	Header Font URL. Defaults to <code>xaringantheme_font_default("header_font_url")</code> . Modifies the <code>@import url</code> elements.
code_font_google	Use <code>google_font()</code> to specify code font. Defaults to NULL. Modifies the body element.
code_font_family	Code Font Family. Defaults to <code>xaringantheme_font_default("code_font_family")</code> . Modifies the <code>.remark-code</code> , <code>.remark-inline-code</code> classes. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-font-family)</code> in any argument of a style function or in custom CSS.
code_font_size	Code Text Font Size. Defaults to 0.9rem. Modifies the <code>.remark-inline</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-font-size)</code> in any argument of a style function or in custom CSS.
code_font_url	Code Font URL. Defaults to <code>xaringantheme_font_default("code_font_url")</code> . Modifies the <code>@import url</code> elements.
code_font_family_fallback	Code Font Fallback. Defaults to <code>xaringantheme_font_default("code_font_family_fallback")</code> . Modifies the <code>.remark-code</code> , <code>.remark-inline-code</code> classes.
link_decoration	Text decoration of links. Defaults to none. Modifies the <code>a</code> , <code>a &gt; code</code> elements. Accepts CSS <b>text-decoration</b> property values.
colors	A named vector of custom colors. The names of the colors become CSS variables and classes that can be used within your slides. For example, <code>colors = c(blue = "#bad4ed")</code> adds a CSS variable <code>--blue</code> , a <code>.blue</code> CSS class that applies the color to the text or foreground color, and a <code>.bg-blue</code> CSS class that applies the color to the background.
extra_css	A named list of CSS definitions each containing a named list of CSS property-value pairs, i.e. <code>list(".class-id" = list("css-property" = "value"))</code> .
extra_fonts	A list of additional fonts to import, each list element can be either a URL as a character string or a call to <code>google_font()</code> . To use a font imported in

extra\_fonts, you will need to write custom CSS rules that apply the font to an element or class with the font-family property. See the **Fonts** section of vignette("xaringantheme") for an example.

outfile Customized xaringan CSS output file name, default is "xaringan-themer.css"

### Value

The CSS styles are written to the file path provided in outfile (by default to xaringan-themer.css). If outfile is NULL, the CSS is returned directly as a character string.

### Usage

To use the styles created by this theme function, make sure that you use xaringan-themer.css as your CSS file in your slides' YAML header. If you change the name of the output file using the outfile argument, use that name instead of the default file name.

```
output:
xaringan::moon_reader:
  css: xaringan-themer.css
```

### See Also

Other themes: [style\\_duo\\_accent\(\)](#), [style\\_duo\\_accent\\_inverse\(\)](#), [style\\_mono\\_accent\(\)](#), [style\\_mono\\_accent\\_inverse\(\)](#), [style\\_mono\\_dark\(\)](#), [style\\_mono\\_light\(\)](#), [style\\_solarized\\_dark\(\)](#), [style\\_solarized\\_light\(\)](#), [xaringantheme\\_font\\_default\(\)](#)

Other Duotone themes: [style\\_duo\\_accent\(\)](#), [style\\_duo\\_accent\\_inverse\(\)](#)

### Examples

```
# Create a xaringan style in a temporary file
xaringan_themer_css <- tempfile("xaringan-themer-", fileext = ".css")

style_duo(
  primary_color = "#1f4257",
  secondary_color = "#f97b64",
  outfile = xaringan_themer_css # omit in your slides to write the
                                # styles to xaringan-themer.css
)

# View the CSS:
# file.edit(xaringan_themer_css)
```



---

style_duo_accent	<i>Duotone Accent Theme</i>
------------------	-----------------------------

---

## Description

An default xaringan theme with a two colors used for color accents on select elements (headers, bold text, etc.).

## Usage

```
style_duo_accent(
  primary_color = "#035AA6",
  secondary_color = "#03A696",
  white_color = "#FFFFFF",
  black_color = "#000000",
  text_color = black_color,
  header_color = primary_color,
  background_color = white_color,
  link_color = choose_dark_or_light(secondary_color, primary_color, secondary_color),
  text_bold_color = choose_dark_or_light(secondary_color, primary_color, secondary_color),
  text_slide_number_color = primary_color,
  padding = "16px 64px 16px 64px",
  background_image = NULL,
  background_size = NULL,
  background_position = NULL,
  code_highlight_color = "rgba(255,255,0,0.5)",
  code_inline_color = choose_dark_or_light(secondary_color, primary_color,
    secondary_color),
  code_inline_background_color = NULL,
  code_inline_font_size = "1em",
  inverse_background_color = secondary_color,
  inverse_text_color = choose_dark_or_light(secondary_color, black_color, white_color),
  inverse_text_shadow = FALSE,
  inverse_header_color = inverse_text_color,
  inverse_link_color = link_color,
  title_slide_text_color = choose_dark_or_light(primary_color, black_color, white_color),
  title_slide_background_color = primary_color,
  title_slide_background_image = NULL,
  title_slide_background_size = NULL,
  title_slide_background_position = NULL,
  footnote_color = NULL,
  footnote_font_size = "0.9em",
  footnote_position_bottom = "60px",
  left_column_subtle_color = apply_alpha(primary_color, 0.6),
  left_column_selected_color = primary_color,
  blockquote_left_border_color = apply_alpha(secondary_color, 0.5),
  table_border_color = "#666",
```

```

table_row_border_color = "#ddd",
table_row_even_background_color = lighten_color(secondary_color, 0.8),
base_font_size = "20px",
text_font_size = "1rem",
header_h1_font_size = "2.75rem",
header_h2_font_size = "2.25rem",
header_h3_font_size = "1.75rem",
header_background_auto = FALSE,
header_background_color = header_color,
header_background_text_color = background_color,
header_background_padding = NULL,
header_background_content_padding_top = "7rem",
header_background_ignore_classes = c("normal", "inverse", "title", "middle", "bottom"),
text_slide_number_font_size = "0.9rem",
text_font_google = NULL,
text_font_family = xaringantheme_font_default("text_font_family"),
text_font_weight = xaringantheme_font_default("text_font_weight"),
text_bold_font_weight = "bold",
text_font_url = xaringantheme_font_default("text_font_url"),
text_font_family_fallback = xaringantheme_font_default("text_font_family_fallback"),
text_font_base = "sans-serif",
header_font_google = NULL,
header_font_family = xaringantheme_font_default("header_font_family"),
header_font_weight = xaringantheme_font_default("header_font_weight"),
header_font_family_fallback = "Georgia, serif",
header_font_url = xaringantheme_font_default("header_font_url"),
code_font_google = NULL,
code_font_family = xaringantheme_font_default("code_font_family"),
code_font_size = "0.9rem",
code_font_url = xaringantheme_font_default("code_font_url"),
code_font_family_fallback = xaringantheme_font_default("code_font_family_fallback"),
link_decoration = "none",
colors = NULL,
extra_css = NULL,
extra_fonts = NULL,
outfile = "xaringan-theme.css"
)

```

## Arguments

- primary\_color** Duotone Primary Color. Defaults to #035AA6. Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with `var(--primary)` in any argument of a style function or in custom CSS.
- secondary\_color** Duotone Secondary Color. Defaults to #03A696. Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with `var(--secondary)` in any argument of a style function or in custom CSS.
- white\_color** Brightest color used. Defaults to #FFFFFF. Used in multiple CSS rules. The

	value of this variable is also stored as a CSS variable that can be referenced with <code>var(--white)</code> in any argument of a style function or in custom CSS.
<code>black_color</code>	Darkest color used. Defaults to <code>#000000</code> . Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--black)</code> in any argument of a style function or in custom CSS.
<code>text_color</code>	Text Color. Defaults to <code>black_color</code> . Modifies the <code>body</code> element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text_color)</code> in any argument of a style function or in custom CSS.
<code>header_color</code>	Header Color. Defaults to <code>primary_color</code> . Modifies the <code>h1</code> , <code>h2</code> , <code>h3</code> elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-color)</code> in any argument of a style function or in custom CSS.
<code>background_color</code>	Slide Background Color. Defaults to <code>white_color</code> . Modifies the <code>.remark-slide-content</code> class. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--background-color)</code> in any argument of a style function or in custom CSS.
<code>link_color</code>	Link Color. Defaults to <code>choose_dark_or_light(secondary_color, primary_color, secondary_color)</code> . Modifies the <code>a</code> , <code>a &gt;</code> code elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--link-color)</code> in any argument of a style function or in custom CSS.
<code>text_bold_color</code>	Bold Text Color. Defaults to <code>choose_dark_or_light(secondary_color, primary_color, secondary_color)</code> . Modifies the <code>strong</code> element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-bold-color)</code> in any argument of a style function or in custom CSS.
<code>text_slide_number_color</code>	Slide Number Color. Defaults to <code>primary_color</code> . Modifies the <code>.remark-slide-number</code> class.
<code>padding</code>	Slide Padding in <code>top right [bottom left]</code> format. Defaults to <code>16px 64px 16px 64px</code> . Modifies the <code>.remark-slide-content</code> class. Accepts CSS <code>padding</code> property values.
<code>background_image</code>	Background image applied to each <i>and every</i> slide. Set <code>title_slide_background_image = "none"</code> to remove the background image from the title slide. Defaults to <code>NULL</code> . Modifies the <code>.remark-slide-content</code> class.
<code>background_size</code>	Background image size, requires <code>background_image</code> to be set. If <code>background_image</code> is set, <code>background_size</code> will default to <code>cover</code> so the background fills the screen. If both <code>background_image</code> and <code>background_position</code> are set, will default to <code>100 percent</code> . Defaults to <code>NULL</code> . Modifies the <code>.remark-slide-content</code> class. Accepts CSS <code>background-size</code> property values.
<code>background_position</code>	Background image position, requires <code>background_image</code> to be set, and it is recommended to adjust <code>background_size</code> . Defaults to <code>NULL</code> . Modifies the <code>.remark-slide-content</code> class. Accepts CSS <code>background-position</code> property values.

`code_highlight_color`

Code Line Highlight. Defaults to `rgba(255,255,0,0.5)`. Modifies the `.remark-code-line-highlighted` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--code-highlight-color)` in any argument of a style function or in custom CSS.

`code_inline_color`

Inline Code Color. Defaults to `choose_dark_or_light(secondary_color, primary_color, secondary_color)`. Modifies the `.remark-inline-code` class.

`code_inline_background_color`

Inline Code Background Color. Defaults to `NULL`. Modifies the `.remark-inline-code` class.

`code_inline_font_size`

Inline Code Text Font Size. Defaults to `1em`. Modifies the `.remark-inline-code` class. Accepts CSS **font-size** property values. The value of this variable is also stored as a CSS variable that can be referenced with `var(--code-inline-font-size)` in any argument of a style function or in custom CSS.

`inverse_background_color`

Inverse Background Color. Defaults to `secondary_color`. Modifies the `.inverse` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-background-color)` in any argument of a style function or in custom CSS.

`inverse_text_color`

Inverse Text Color. Defaults to `choose_dark_or_light(secondary_color, black_color, white_color)`. Modifies the `.inverse` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-text-color)` in any argument of a style function or in custom CSS.

`inverse_text_shadow`

Enables Shadow on text of inverse slides. Defaults to `FALSE`. Modifies the `.inverse` class.

`inverse_header_color`

Inverse Header Color. Defaults to `inverse_text_color`. Modifies the `.inverse h1`, `.inverse h2`, `.inverse h3` classes. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-header-color)` in any argument of a style function or in custom CSS.

`inverse_link_color`

Inverse Link Color. Defaults to `link_color`. Modifies the `.inverse a`, `.inverse a > code` classes. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-link-color)` in any argument of a style function or in custom CSS.

`title_slide_text_color`

Title Slide Text Color. Defaults to `choose_dark_or_light(primary_color, black_color, white_color)`. Modifies the `.title-slide` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--title-slide-text-color)` in any argument of a style function or in custom CSS.

`title_slide_background_color`

Title Slide Background Color. Defaults to `primary_color`. Modifies the `.title-slide` class. The value of this variable is also stored as a CSS variable that can be ref-

	erenced with <code>var(--title-slide-background-color)</code> in any argument of a style function or in custom CSS.
<code>title_slide_background_image</code>	Title Slide Background Image URL. Defaults to NULL. Modifies the <code>.title-slide</code> class.
<code>title_slide_background_size</code>	Title Slide Background Image Size, defaults to "cover" if background image is set. Defaults to NULL. Modifies the <code>.title-slide</code> class. Accepts CSS <b>background-size</b> property values.
<code>title_slide_background_position</code>	Title Slide Background Image Position. Defaults to NULL. Modifies the <code>.title-slide</code> class. Accepts CSS <b>background-position</b> property values.
<code>footnote_color</code>	Footnote text color (if NA, then it will be the same color as <code>text_color</code> ). Defaults to NULL. Modifies the <code>.footnote</code> class.
<code>footnote_font_size</code>	Footnote font size. Defaults to 0.9em. Modifies the <code>.footnote</code> class. Accepts CSS <b>font-size</b> property values.
<code>footnote_position_bottom</code>	Footnote location from bottom of screen. Defaults to 60px. Modifies the <code>.footnote</code> class. Accepts CSS <b>position</b> property values.
<code>left_column_subtle_color</code>	Left Column Text (not last). Defaults to <code>apply_alpha(primary_color, 0.6)</code> . Modifies the <code>.left-column h2</code> , <code>.left-column h3</code> classes.
<code>left_column_selected_color</code>	Left Column Current Selection. Defaults to <code>primary_color</code> . Modifies the <code>.left-column h2:last-of-type</code> , <code>.left-column h3:last-child</code> classes.
<code>blockquote_left_border_color</code>	Blockquote Left Border Color. Defaults to <code>apply_alpha(secondary_color, 0.5)</code> . Modifies the blockquote element.
<code>table_border_color</code>	Table top/bottom border. Defaults to #666. Modifies the <code>table: border-top</code> , <code>border-bottom</code> elements.
<code>table_row_border_color</code>	Table row inner bottom border. Defaults to #ddd. Modifies the <code>table thead th: border-bottom</code> elements.
<code>table_row_even_background_color</code>	Table Even Row Background Color. Defaults to <code>lighten_color(secondary_color, 0.8)</code> . Modifies the <code>thead</code> , <code>tfoot</code> , <code>tr:nth-child(even)</code> elements.
<code>base_font_size</code>	Base Font Size for All Slide Elements (must be px). Defaults to 20px. Modifies the <code>html</code> element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--base-font-size)</code> in any argument of a style function or in custom CSS.
<code>text_font_size</code>	Slide Body Text Font Size. Defaults to 1rem. Modifies the <code>.remark-slide-content</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-font-size)</code> in any argument of a style function or in custom CSS.

**header\_h1\_font\_size**

h1 Header Text Font Size. Defaults to 2.75rem. Modifies the `.remark-slide-content h1` class. Accepts CSS **font-size** property values. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-h1-font-size)` in any argument of a style function or in custom CSS.

**header\_h2\_font\_size**

h2 Header Text Font Size. Defaults to 2.25rem. Modifies the `.remark-slide-content h2` class. Accepts CSS **font-size** property values. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-h2-font-size)` in any argument of a style function or in custom CSS.

**header\_h3\_font\_size**

h3 Header Text Font Size. Defaults to 1.75rem. Modifies the `.remark-slide-content h3` class. Accepts CSS **font-size** property values. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-h3-font-size)` in any argument of a style function or in custom CSS.

**header\_background\_auto**

Add background under slide title automatically for h1 header elements. If not enabled, use `class: header_background` to enable. Defaults to FALSE.

**header\_background\_color**

Background Color for h1 Header with Background. Defaults to `header_color`. Modifies the `.remark-slide-content h1` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-background-color)` in any argument of a style function or in custom CSS.

**header\_background\_text\_color**

Text Color for h1 Header with Background. Defaults to `background_color`. Modifies the `.remark-slide-content h1` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-background-text-color)` in any argument of a style function or in custom CSS.

**header\_background\_padding**

Padding for h1 Header with Background. Defaults to NULL. Modifies the `.remark-slide-content h1` class. Accepts CSS **padding** property values.

**header\_background\_content\_padding\_top**

Top Padding for Content in Slide with Header with Background. Defaults to 7rem. Modifies the `.remark-slide-content` class.

**header\_background\_ignore\_classes**

Slide Classes Where Header with Background will not be Applied. Defaults to `c('normal', 'inverse', 'title', 'middle', 'bottom')`. Modifies the `.remark-slide-content` class.

**text\_slide\_number\_font\_size**

Slide Number Text Font Size. Defaults to 0.9rem. Modifies the `.remark-slide-number` class. Accepts CSS **font-size** property values.

**text\_font\_google**

Use `google_font()` to specify body font. Defaults to NULL. Modifies the body element.

**text\_font\_family**

Body Text Font Family (xaringan default is 'Droid Serif'). Defaults to `xaringanthemefont_default`. Modifies the body element. The value of this variable is also stored as a CSS

variable that can be referenced with `var(--text-font-family)` in any argument of a style function or in custom CSS.

`text_font_weight`

Body Text Font Weight. Defaults to `xaringantheme_font_default("text_font_weight")`. Modifies the body element. Accepts CSS **font-weight** property values.

`text_bold_font_weight`

Body Bold Text Font Weight. Defaults to `bold`. Modifies the strong element.

`text_font_url`

Body Text Font URL(s). Defaults to `xaringantheme_font_default("text_font_url")`. Modifies the `@import url()` elements.

`text_font_family_fallback`

Body Text Font Fallbacks. Defaults to `xaringantheme_font_default("text_font_family_fallback")`. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with `var(--text-font-family-fallback)` in any argument of a style function or in custom CSS.

`text_font_base`

Body Text Base Font (Total Failure Fallback). Defaults to `sans-serif`. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with `var(--text-font-base)` in any argument of a style function or in custom CSS.

`header_font_google`

Use `google_font()` to specify header font. Defaults to `NULL`. Modifies the body element.

`header_font_family`

Header Font Family (xaringan default is 'Yanone Kaffeesatz'). Defaults to `xaringantheme_font_default("header_font_family")`. Modifies the `h1`, `h2`, `h3` elements. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-font-family)` in any argument of a style function or in custom CSS.

`header_font_weight`

Header Font Weight. Defaults to `xaringantheme_font_default("header_font_weight")`. Modifies the `h1`, `h2`, `h3` elements. Accepts CSS **font-weight** property values.

`header_font_family_fallback`

Header Font Family Fallback. Defaults to `Georgia, serif`. Modifies the `h1`, `h2`, `h3` elements. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-font-family-fallback)` in any argument of a style function or in custom CSS.

`header_font_url`

Header Font URL. Defaults to `xaringantheme_font_default("header_font_url")`. Modifies the `@import url` elements.

`code_font_google`

Use `google_font()` to specify code font. Defaults to `NULL`. Modifies the body element.

`code_font_family`

Code Font Family. Defaults to `xaringantheme_font_default("code_font_family")`. Modifies the `.remark-code`, `.remark-inline-code` classes. The value of this variable is also stored as a CSS variable that can be referenced with `var(--code-font-family)` in any argument of a style function or in custom CSS.

code_font_size	Code Text Font Size. Defaults to 0.9rem. Modifies the .remark-inline class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--code-font-size) in any argument of a style function or in custom CSS.
code_font_url	Code Font URL. Defaults to xaringantheme_font_default("code_font_url"). Modifies the @import url elements.
code_font_family_fallback	Code Font Fallback. Defaults to xaringantheme_font_default("code_font_family_fallback"). Modifies the .remark-code, .remark-inline-code classes.
link_decoration	Text decoration of links. Defaults to none. Modifies the a, a > code elements. Accepts CSS <b>text-decoration</b> property values.
colors	A named vector of custom colors. The names of the colors become CSS variables and classes that can be used within your slides. For example, colors = c(blue = "#bad4ed") adds a CSS variable --blue, a .blue CSS class that applies the color to the text or foreground color, and a .bg-blue CSS class that applies the color to the background.
extra_css	A named list of CSS definitions each containing a named list of CSS property-value pairs, i.e. list(".class-id" = list("css-property" = "value")).
extra_fonts	A list of additional fonts to import, each list element can be either a URL as a character string or a call to <code>google_font()</code> . To use a font imported in extra_fonts, you will need to write custom CSS rules that apply the font to an element or class with the font-family property. See the <b>Fonts</b> section of vignette("xaringantheme") for an example.
outfile	Customized xaringan CSS output file name, default is "xaringan-themer.css"

### Value

The CSS styles are written to the file path provided in outfile (by default to xaringan-themer.css). If outfile is NULL, the CSS is returned directly as a character string.

### Usage

To use the styles created by this theme function, make sure that you use xaringan-themer.css as your CSS file in your slides' YAML header. If you change the name of the output file using the outfile argument, use that name instead of the default file name.

```
output:
xaringan::moon_reader:
  css: xaringan-themer.css
```

### See Also

Other themes: `style_duo()`, `style_duo_accent_inverse()`, `style_mono_accent()`, `style_mono_accent_inverse()`, `style_mono_dark()`, `style_mono_light()`, `style_solarized_dark()`, `style_solarized_light()`, `xaringantheme_font_default()`

Other Duotone themes: `style_duo()`, `style_duo_accent_inverse()`



**Examples**

```
# Create a xaringan style in a temporary file
xaringan_themer_css <- tempfile("xaringan-themer-", fileext = ".css")

style_duo_accent(
  primary_color = "#006747",
  secondary_color = "#cfc493",
  outfile = xaringan_themer_css # omit in your slides to write the
                                # styles to xaringan-themer.css
)

# View the CSS:
# file.edit(xaringan_themer_css)
```

---

```
style_duo_accent_inverse
```

*Duotone Accent Inverse Theme*

---

**Description**

An "inverted" default xaringan theme with a two colors used for color accents on select elements (headers, bold text, etc.).

**Usage**

```
style_duo_accent_inverse(
  primary_color = "#035AA6",
  secondary_color = "#03A696",
  white_color = "#FFFFFF",
  black_color = "#000000",
  text_color = white_color,
  header_color = primary_color,
  background_color = black_color,
  link_color = choose_dark_or_light(secondary_color, secondary_color, primary_color),
  text_bold_color = choose_dark_or_light(secondary_color, secondary_color, primary_color),
  text_slide_number_color = primary_color,
  padding = "16px 64px 16px 64px",
  background_image = NULL,
  background_size = NULL,
  background_position = NULL,
  code_highlight_color = "rgba(255,255,0,0.5)",
  code_inline_color = choose_dark_or_light(secondary_color, secondary_color,
  primary_color),
  code_inline_background_color = NULL,
  code_inline_font_size = "1em",
  inverse_background_color = secondary_color,
  inverse_text_color = choose_dark_or_light(secondary_color, black_color, white_color),
  inverse_text_shadow = FALSE,
```

```

inverse_header_color = inverse_text_color,
inverse_link_color = link_color,
title_slide_text_color = choose_dark_or_light(primary_color, black_color, white_color),
title_slide_background_color = primary_color,
title_slide_background_image = NULL,
title_slide_background_size = NULL,
title_slide_background_position = NULL,
footnote_color = NULL,
footnote_font_size = "0.9em",
footnote_position_bottom = "60px",
left_column_subtle_color = apply_alpha(primary_color, 0.6),
left_column_selected_color = primary_color,
blockquote_left_border_color = apply_alpha(secondary_color, 0.5),
table_border_color = "#666",
table_row_border_color = "#ddd",
table_row_even_background_color = darken_color(choose_dark_or_light(primary_color,
    secondary_color, primary_color), 0.2),
base_font_size = "20px",
text_font_size = "1rem",
header_h1_font_size = "2.75rem",
header_h2_font_size = "2.25rem",
header_h3_font_size = "1.75rem",
header_background_auto = FALSE,
header_background_color = header_color,
header_background_text_color = background_color,
header_background_padding = NULL,
header_background_content_padding_top = "7rem",
header_background_ignore_classes = c("normal", "inverse", "title", "middle", "bottom"),
text_slide_number_font_size = "0.9rem",
text_font_google = NULL,
text_font_family = xaringantheme_font_default("text_font_family"),
text_font_weight = xaringantheme_font_default("text_font_weight"),
text_bold_font_weight = "bold",
text_font_url = xaringantheme_font_default("text_font_url"),
text_font_family_fallback = xaringantheme_font_default("text_font_family_fallback"),
text_font_base = "sans-serif",
header_font_google = NULL,
header_font_family = xaringantheme_font_default("header_font_family"),
header_font_weight = xaringantheme_font_default("header_font_weight"),
header_font_family_fallback = "Georgia, serif",
header_font_url = xaringantheme_font_default("header_font_url"),
code_font_google = NULL,
code_font_family = xaringantheme_font_default("code_font_family"),
code_font_size = "0.9rem",
code_font_url = xaringantheme_font_default("code_font_url"),
code_font_family_fallback = xaringantheme_font_default("code_font_family_fallback"),
link_decoration = "none",
colors = NULL,

```

```

    extra_css = NULL,
    extra_fonts = NULL,
    outfile = "xaringan-themer.css"
)

```

## Arguments

primary_color	Duotone Primary Color. Defaults to #035AA6. Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--primary)</code> in any argument of a style function or in custom CSS.
secondary_color	Duotone Secondary Color. Defaults to #03A696. Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--secondary)</code> in any argument of a style function or in custom CSS.
white_color	Brightest color used. Defaults to #FFFFFF. Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--white)</code> in any argument of a style function or in custom CSS.
black_color	Darkest color used. Defaults to #000000. Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--black)</code> in any argument of a style function or in custom CSS.
text_color	Text Color. Defaults to white_color. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text_color)</code> in any argument of a style function or in custom CSS.
header_color	Header Color. Defaults to primary_color. Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-color)</code> in any argument of a style function or in custom CSS.
background_color	Slide Background Color. Defaults to black_color. Modifies the .remark-slide-content class. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--background-color)</code> in any argument of a style function or in custom CSS.
link_color	Link Color. Defaults to choose_dark_or_light(secondary_color, secondary_color, primary_color). Modifies the a, a > code elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--link-color)</code> in any argument of a style function or in custom CSS.
text_bold_color	Bold Text Color. Defaults to choose_dark_or_light(secondary_color, secondary_color, primary_color). Modifies the strong element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-bold-color)</code> in any argument of a style function or in custom CSS.
text_slide_number_color	Slide Number Color. Defaults to primary_color. Modifies the .remark-slide-number class.
padding	Slide Padding in top right [bottom left] format. Defaults to 16px 64px 16px 64px. Modifies the .remark-slide-content class. Accepts CSS <code>padding</code> property values.

**background\_image**

Background image applied to each *and every* slide. Set `title_slide_background_image = "none"` to remove the background image from the title slide. Defaults to NULL. Modifies the `.remark-slide-content` class.

**background\_size**

Background image size, requires `background_image` to be set. If `background_image` is set, `background_size` will default to `cover` so the background fills the screen. If both `background_image` and `background_position` are set, will default to 100 percent. Defaults to NULL. Modifies the `.remark-slide-content` class. Accepts CSS `background-size` property values.

**background\_position**

Background image position, requires `background_image` to be set, and it is recommended to adjust `background_size`. Defaults to NULL. Modifies the `.remark-slide-content` class. Accepts CSS `background-position` property values.

**code\_highlight\_color**

Code Line Highlight. Defaults to `rgba(255,255,0,0.5)`. Modifies the `.remark-code-line-highlighted` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--code-highlight-color)` in any argument of a style function or in custom CSS.

**code\_inline\_color**

Inline Code Color. Defaults to `choose_dark_or_light(secondary_color, secondary_color, primary_color)`. Modifies the `.remark-inline-code` class.

**code\_inline\_background\_color**

Inline Code Background Color. Defaults to NULL. Modifies the `.remark-inline-code` class.

**code\_inline\_font\_size**

Inline Code Text Font Size. Defaults to `1em`. Modifies the `.remark-inline-code` class. Accepts CSS `font-size` property values. The value of this variable is also stored as a CSS variable that can be referenced with `var(--code-inline-font-size)` in any argument of a style function or in custom CSS.

**inverse\_background\_color**

Inverse Background Color. Defaults to `secondary_color`. Modifies the `.inverse` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-background-color)` in any argument of a style function or in custom CSS.

**inverse\_text\_color**

Inverse Text Color. Defaults to `choose_dark_or_light(secondary_color, black_color, white_color)`. Modifies the `.inverse` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-text-color)` in any argument of a style function or in custom CSS.

**inverse\_text\_shadow**

Enables Shadow on text of inverse slides. Defaults to `FALSE`. Modifies the `.inverse` class.

**inverse\_header\_color**

Inverse Header Color. Defaults to `inverse_text_color`. Modifies the `.inverse h1`, `.inverse h2`, `.inverse h3` classes. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-header-color)` in any argument of a style function or in custom CSS.

inverse_link_color	Inverse Link Color. Defaults to link_color. Modifies the .inverse a, .inverse a > code classes. The value of this variable is also stored as a CSS variable that can be referenced with var(--inverse-link-color) in any argument of a style function or in custom CSS.
title_slide_text_color	Title Slide Text Color. Defaults to choose_dark_or_light(primary_color, black_color, white_color). Modifies the .title-slide class. The value of this variable is also stored as a CSS variable that can be referenced with var(--title-slide-text-color) in any argument of a style function or in custom CSS.
title_slide_background_color	Title Slide Background Color. Defaults to primary_color. Modifies the .title-slide class. The value of this variable is also stored as a CSS variable that can be referenced with var(--title-slide-background-color) in any argument of a style function or in custom CSS.
title_slide_background_image	Title Slide Background Image URL. Defaults to NULL. Modifies the .title-slide class.
title_slide_background_size	Title Slide Background Image Size, defaults to "cover" if background image is set. Defaults to NULL. Modifies the .title-slide class. Accepts CSS <b>background-size</b> property values.
title_slide_background_position	Title Slide Background Image Position. Defaults to NULL. Modifies the .title-slide class. Accepts CSS <b>background-position</b> property values.
footnote_color	Footnote text color (if NA, then it will be the same color as text_color). Defaults to NULL. Modifies the .footnote class.
footnote_font_size	Footnote font size. Defaults to 0.9em. Modifies the .footnote class. Accepts CSS <b>font-size</b> property values.
footnote_position_bottom	Footnote location from bottom of screen. Defaults to 60px. Modifies the .footnote class. Accepts CSS <b>position</b> property values.
left_column_subtle_color	Left Column Text (not last). Defaults to apply_alpha(primary_color, 0.6). Modifies the .left-column h2, .left-column h3 classes.
left_column_selected_color	Left Column Current Selection. Defaults to primary_color. Modifies the .left-column h2:last-of-type, .left-column h3:last-child classes.
blockquote_left_border_color	Blockquote Left Border Color. Defaults to apply_alpha(secondary_color, 0.5). Modifies the blockquote element.
table_border_color	Table top/bottom border. Defaults to #666. Modifies the table: border-top, border-bottom elements.

table_row_border_color	Table row inner bottom border. Defaults to #ddd. Modifies the table thead th: border-bottom elements.
table_row_even_background_color	Table Even Row Background Color. Defaults to darken_color(choose_dark_or_light(primary_color, secondary_color, primary_color), 0.2). Modifies the thead, tfoot, tr:nth-child(even) elements.
base_font_size	Base Font Size for All Slide Elements (must be px). Defaults to 20px. Modifies the html element. The value of this variable is also stored as a CSS variable that can be referenced with var(--base-font-size) in any argument of a style function or in custom CSS.
text_font_size	Slide Body Text Font Size. Defaults to 1rem. Modifies the .remark-slide-content class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-font-size) in any argument of a style function or in custom CSS.
header_h1_font_size	h1 Header Text Font Size. Defaults to 2.75rem. Modifies the .remark-slide-content h1 class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-h1-font-size) in any argument of a style function or in custom CSS.
header_h2_font_size	h2 Header Text Font Size. Defaults to 2.25rem. Modifies the .remark-slide-content h2 class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-h2-font-size) in any argument of a style function or in custom CSS.
header_h3_font_size	h3 Header Text Font Size. Defaults to 1.75rem. Modifies the .remark-slide-content h3 class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-h3-font-size) in any argument of a style function or in custom CSS.
header_background_auto	Add background under slide title automatically for h1 header elements. If not enabled, use class: header_background to enable. Defaults to FALSE.
header_background_color	Background Color for h1 Header with Background. Defaults to header_color. Modifies the .remark-slide-content h1 class. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-background-color) in any argument of a style function or in custom CSS.
header_background_text_color	Text Color for h1 Header with Background. Defaults to background_color. Modifies the .remark-slide-content h1 class. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-background-text-color) in any argument of a style function or in custom CSS.
header_background_padding	Padding for h1 Header with Background. Defaults to NULL. Modifies the .remark-slide-content h1 class. Accepts CSS padding property values.

- `header_background_content_padding_top`  
Top Padding for Content in Slide with Header with Background. Defaults to 7rem. Modifies the `.remark-slide-content` class.
- `header_background_ignore_classes`  
Slide Classes Where Header with Background will not be Applied. Defaults to `c('normal', 'inverse', 'title', 'middle', 'bottom')`. Modifies the `.remark-slide-content` class.
- `text_slide_number_font_size`  
Slide Number Text Font Size. Defaults to 0.9rem. Modifies the `.remark-slide-number` class. Accepts CSS **font-size** property values.
- `text_font_google`  
Use `google_font()` to specify body font. Defaults to NULL. Modifies the body element.
- `text_font_family`  
Body Text Font Family (xaringan default is 'Droid Serif'). Defaults to `xaringantheme_font_default`. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with `var(--text-font-family)` in any argument of a style function or in custom CSS.
- `text_font_weight`  
Body Text Font Weight. Defaults to `xaringantheme_font_default("text_font_weight")`. Modifies the body element. Accepts CSS **font-weight** property values.
- `text_bold_font_weight`  
Body Bold Text Font Weight. Defaults to bold. Modifies the strong element.
- `text_font_url` Body Text Font URL(s). Defaults to `xaringantheme_font_default("text_font_url")`. Modifies the `@import url()` elements.
- `text_font_family_fallback`  
Body Text Font Fallbacks. Defaults to `xaringantheme_font_default("text_font_family_fallback")`. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with `var(--text-font-family-fallback)` in any argument of a style function or in custom CSS.
- `text_font_base` Body Text Base Font (Total Failure Fallback). Defaults to sans-serif. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with `var(--text-font-base)` in any argument of a style function or in custom CSS.
- `header_font_google`  
Use `google_font()` to specify header font. Defaults to NULL. Modifies the body element.
- `header_font_family`  
Header Font Family (xaringan default is 'Yanone Kaffeesatz'). Defaults to `xaringantheme_font_default("header_font_family")`. Modifies the `h1`, `h2`, `h3` elements. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-font-family)` in any argument of a style function or in custom CSS.
- `header_font_weight`  
Header Font Weight. Defaults to `xaringantheme_font_default("header_font_weight")`. Modifies the `h1`, `h2`, `h3` elements. Accepts CSS **font-weight** property values.

header_font_family_fallback	Header Font Family Fallback. Defaults to Georgia, serif. Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-font-family-fallback)</code> in any argument of a style function or in custom CSS.
header_font_url	Header Font URL. Defaults to <code>xaringantheme_font_default("header_font_url")</code> . Modifies the <code>@import url</code> elements.
code_font_google	Use <code>google_font()</code> to specify code font. Defaults to NULL. Modifies the body element.
code_font_family	Code Font Family. Defaults to <code>xaringantheme_font_default("code_font_family")</code> . Modifies the <code>.remark-code</code> , <code>.remark-inline-code</code> classes. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-font-family)</code> in any argument of a style function or in custom CSS.
code_font_size	Code Text Font Size. Defaults to 0.9rem. Modifies the <code>.remark-inline</code> class. Accepts CSS <code>font-size</code> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-font-size)</code> in any argument of a style function or in custom CSS.
code_font_url	Code Font URL. Defaults to <code>xaringantheme_font_default("code_font_url")</code> . Modifies the <code>@import url</code> elements.
code_font_family_fallback	Code Font Fallback. Defaults to <code>xaringantheme_font_default("code_font_family_fallback")</code> . Modifies the <code>.remark-code</code> , <code>.remark-inline-code</code> classes.
link_decoration	Text decoration of links. Defaults to none. Modifies the <code>a</code> , <code>a &gt; code</code> elements. Accepts CSS <code>text-decoration</code> property values.
colors	A named vector of custom colors. The names of the colors become CSS variables and classes that can be used within your slides. For example, <code>colors = c(blue = "#bad4ed")</code> adds a CSS variable <code>--blue</code> , a <code>.blue</code> CSS class that applies the color to the text or foreground color, and a <code>.bg-blue</code> CSS class that applies the color to the background.
extra_css	A named list of CSS definitions each containing a named list of CSS property-value pairs, i.e. <code>list(".class-id" = list("css-property" = "value"))</code> .
extra_fonts	A list of additional fonts to import, each list element can be either a URL as a character string or a call to <code>google_font()</code> . To use a font imported in <code>extra_fonts</code> , you will need to write custom CSS rules that apply the font to an element or class with the <code>font-family</code> property. See the <b>Fonts</b> section of <code>vignette("xaringantheme")</code> for an example.
outfile	Customized xaringan CSS output file name, default is "xaringan-themer.css"

### Value

The CSS styles are written to the file path provided in `outfile` (by default to `xaringan-themer.css`). If `outfile` is NULL, the CSS is returned directly as a character string.



**Usage**

To use the styles created by this theme function, make sure that you use `xaringan-themer.css` as your CSS file in your slides' YAML header. If you change the name of the output file using the `outfile` argument, use that name instead of the default file name.

```
output:
xaringan::moon_reader:
  css: xaringan-themer.css
```

**See Also**

Other themes: [style\\_duo\(\)](#), [style\\_duo\\_accent\(\)](#), [style\\_mono\\_accent\(\)](#), [style\\_mono\\_accent\\_inverse\(\)](#), [style\\_mono\\_dark\(\)](#), [style\\_mono\\_light\(\)](#), [style\\_solarized\\_dark\(\)](#), [style\\_solarized\\_light\(\)](#), [xaringanthemer\\_font\\_default\(\)](#)

Other Duotone themes: [style\\_duo\(\)](#), [style\\_duo\\_accent\(\)](#)

**Examples**

```
# Create a xaringan style in a temporary file
xaringan_themer_css <- tempfile("xaringan-themer-", fileext = ".css")

style_duo_accent_inverse(
  primary_color = "#006747",
  secondary_color = "#cfc493",
  outfile = xaringan_themer_css # omit in your slides to write the
                                # styles to xaringan-themer.css
)

# View the CSS:
# file.edit(xaringan_themer_css)
```

---

style_extra_css	<i>Add Extra CSS Styles</i>
-----------------	-----------------------------

---

**Description**

Adds css elements to target `outfile`, typically a `xaringanthemer.css` file. The `css` argument takes a list of CSS classes and definitions (see examples below) and appends CSS rules to `outfile`.

**Usage**

```
style_extra_css(
  css,
  outfile = "xaringan-themer.css",
  append = TRUE,
  heading = "Extra CSS"
)
```

**Arguments**

css	A named list of CSS definitions each containing a named list of CSS property-value pairs, i.e. <code>list(".class-id" = list("css-property" = "value"))</code>
outfile	Customized xaringan CSS output file name, default is "xaringan-themer.css"
append	If TRUE output will be appended to outfile; otherwise, it will overwrite the contents of outfile.
heading	Heading added above extra CSS. Use NULL to disable.

**css list**

The css input must be a named list of css properties and values within a named list of class identifiers, for example `list(".class-id" = list("css-property" = "value"))`.

**Examples**

```
style_extra_css(
  outfile = stdout(),
  css = list(
    ".red" = list(color = "red"),
    ".small" = list("font-size" = "90%"),
    ".full-width" = list(
      display = "flex",
      width = "100%",
      flex = "1 1 auto"
    )
  )
)
```

---

style\_mono\_accent      *Monotone Accent Theme*

---

**Description**

The default xaringan theme with a single color used for color accents on select elements (headers, bold text, etc.).

**Usage**

```
style_mono_accent(
  base_color = "#43418A",
  white_color = "#FFFFFF",
  black_color = "#272822",
  text_color = black_color,
  header_color = base_color,
  background_color = white_color,
  link_color = base_color,
  text_bold_color = base_color,
```

```
text_slide_number_color = base_color,
padding = "16px 64px 16px 64px",
background_image = NULL,
background_size = NULL,
background_position = NULL,
code_highlight_color = "rgba(255,255,0,0.5)",
code_inline_color = base_color,
code_inline_background_color = NULL,
code_inline_font_size = "1em",
inverse_background_color = base_color,
inverse_text_color = white_color,
inverse_text_shadow = FALSE,
inverse_header_color = inverse_text_color,
inverse_link_color = link_color,
title_slide_text_color = inverse_text_color,
title_slide_background_color = inverse_background_color,
title_slide_background_image = NULL,
title_slide_background_size = NULL,
title_slide_background_position = NULL,
footnote_color = NULL,
footnote_font_size = "0.9em",
footnote_position_bottom = "60px",
left_column_subtle_color = apply_alpha(base_color, 0.6),
left_column_selected_color = base_color,
blockquote_left_border_color = apply_alpha(base_color, 0.5),
table_border_color = "#666",
table_row_border_color = "#ddd",
table_row_even_background_color = lighten_color(base_color, 0.8),
base_font_size = "20px",
text_font_size = "1rem",
header_h1_font_size = "2.75rem",
header_h2_font_size = "2.25rem",
header_h3_font_size = "1.75rem",
header_background_auto = FALSE,
header_background_color = header_color,
header_background_text_color = background_color,
header_background_padding = NULL,
header_background_content_padding_top = "7rem",
header_background_ignore_classes = c("normal", "inverse", "title", "middle", "bottom"),
text_slide_number_font_size = "0.9rem",
text_font_google = NULL,
text_font_family = xaringantheme_font_default("text_font_family"),
text_font_weight = xaringantheme_font_default("text_font_weight"),
text_bold_font_weight = "bold",
text_font_url = xaringantheme_font_default("text_font_url"),
text_font_family_fallback = xaringantheme_font_default("text_font_family_fallback"),
text_font_base = "sans-serif",
header_font_google = NULL,
```

```

header_font_family = xaringantheme_font_default("header_font_family"),
header_font_weight = xaringantheme_font_default("header_font_weight"),
header_font_family_fallback = "Georgia, serif",
header_font_url = xaringantheme_font_default("header_font_url"),
code_font_google = NULL,
code_font_family = xaringantheme_font_default("code_font_family"),
code_font_size = "0.9rem",
code_font_url = xaringantheme_font_default("code_font_url"),
code_font_family_fallback = xaringantheme_font_default("code_font_family_fallback"),
link_decoration = "none",
colors = NULL,
extra_css = NULL,
extra_fonts = NULL,
outfile = "xaringan-theme.css"
)

```

## Arguments

<code>base_color</code>	Monotone Base Color, works best with a strong color. Defaults to #43418A. Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--base)</code> in any argument of a style function or in custom CSS.
<code>white_color</code>	Brightest color used. Defaults to #FFFFFF. Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--white)</code> in any argument of a style function or in custom CSS.
<code>black_color</code>	Darkest color used. Defaults to #272822. Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--black)</code> in any argument of a style function or in custom CSS.
<code>text_color</code>	Text Color. Defaults to <code>black_color</code> . Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text_color)</code> in any argument of a style function or in custom CSS.
<code>header_color</code>	Header Color. Defaults to <code>base_color</code> . Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-color)</code> in any argument of a style function or in custom CSS.
<code>background_color</code>	Slide Background Color. Defaults to <code>white_color</code> . Modifies the <code>.remark-slide-content</code> class. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--background-color)</code> in any argument of a style function or in custom CSS.
<code>link_color</code>	Link Color. Defaults to <code>base_color</code> . Modifies the <code>a</code> , <code>a &gt;</code> code elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--link-color)</code> in any argument of a style function or in custom CSS.
<code>text_bold_color</code>	Bold Text Color. Defaults to <code>base_color</code> . Modifies the <code>strong</code> element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-bold-color)</code> in any argument of a style function or in custom CSS.

text_slide_number_color	Slide Number Color. Defaults to base_color. Modifies the .remark-slide-number class.
padding	Slide Padding in top right [bottom left] format. Defaults to 16px 64px 16px 64px. Modifies the .remark-slide-content class. Accepts CSS <b>padding</b> property values.
background_image	Background image applied to each <i>and every</i> slide. Set title_slide_background_image = "none" to remove the background image from the title slide. Defaults to NULL. Modifies the .remark-slide-content class.
background_size	Background image size, requires background_image to be set. If background_image is set, background_size will default to cover so the background fills the screen. If both background_image and background_position are set, will default to 100 percent. Defaults to NULL. Modifies the .remark-slide-content class. Accepts CSS <b>background-size</b> property values.
background_position	Background image position, requires background_image to be set, and it is recommended to adjust background_size. Defaults to NULL. Modifies the .remark-slide-content class. Accepts CSS <b>background-position</b> property values.
code_highlight_color	Code Line Highlight. Defaults to rgba(255,255,0,0.5). Modifies the .remark-code-line-highlighted class. The value of this variable is also stored as a CSS variable that can be referenced with var(--code-highlight-color) in any argument of a style function or in custom CSS.
code_inline_color	Inline Code Color. Defaults to base_color. Modifies the .remark-inline-code class.
code_inline_background_color	Inline Code Background Color. Defaults to NULL. Modifies the .remark-inline-code class.
code_inline_font_size	Inline Code Text Font Size. Defaults to 1em. Modifies the .remark-inline-code class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--code-inline-font-size) in any argument of a style function or in custom CSS.
inverse_background_color	Inverse Background Color. Defaults to base_color. Modifies the .inverse class. The value of this variable is also stored as a CSS variable that can be referenced with var(--inverse-background-color) in any argument of a style function or in custom CSS.
inverse_text_color	Inverse Text Color. Defaults to white_color. Modifies the .inverse class. The value of this variable is also stored as a CSS variable that can be referenced with var(--inverse-text-color) in any argument of a style function or in custom CSS.
inverse_text_shadow	Enables Shadow on text of inverse slides. Defaults to FALSE. Modifies the .inverse class.

**inverse\_header\_color**

Inverse Header Color. Defaults to `inverse_text_color`. Modifies the `.inverse h1`, `.inverse h2`, `.inverse h3` classes. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-header-color)` in any argument of a style function or in custom CSS.

**inverse\_link\_color**

Inverse Link Color. Defaults to `link_color`. Modifies the `.inverse a`, `.inverse a > code` classes. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-link-color)` in any argument of a style function or in custom CSS.

**title\_slide\_text\_color**

Title Slide Text Color. Defaults to `inverse_text_color`. Modifies the `.title-slide` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--title-slide-text-color)` in any argument of a style function or in custom CSS.

**title\_slide\_background\_color**

Title Slide Background Color. Defaults to `inverse_background_color`. Modifies the `.title-slide` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--title-slide-background-color)` in any argument of a style function or in custom CSS.

**title\_slide\_background\_image**

Title Slide Background Image URL. Defaults to NULL. Modifies the `.title-slide` class.

**title\_slide\_background\_size**

Title Slide Background Image Size, defaults to "cover" if background image is set. Defaults to NULL. Modifies the `.title-slide` class. Accepts CSS **background-size** property values.

**title\_slide\_background\_position**

Title Slide Background Image Position. Defaults to NULL. Modifies the `.title-slide` class. Accepts CSS **background-position** property values.

**footnote\_color** Footnote text color (if NA, then it will be the same color as `text_color`). Defaults to NULL. Modifies the `.footnote` class.

**footnote\_font\_size**

Footnote font size. Defaults to 0.9em. Modifies the `.footnote` class. Accepts CSS **font-size** property values.

**footnote\_position\_bottom**

Footnote location from bottom of screen. Defaults to 60px. Modifies the `.footnote` class. Accepts CSS **position** property values.

**left\_column\_subtle\_color**

Left Column Text (not last). Defaults to `apply_alpha(base_color, 0.6)`. Modifies the `.left-column h2`, `.left-column h3` classes.

**left\_column\_selected\_color**

Left Column Current Selection. Defaults to `base_color`. Modifies the `.left-column h2:last-of-type` classes.

**blockquote\_left\_border\_color**

Blockquote Left Border Color. Defaults to `apply_alpha(base_color, 0.5)`. Modifies the blockquote element.

table_border_color	Table top/bottom border. Defaults to #666. Modifies the table: border-top, border-bottom elements.
table_row_border_color	Table row inner bottom border. Defaults to #ddd. Modifies the table thead th: border-bottom elements.
table_row_even_background_color	Table Even Row Background Color. Defaults to lighten_color(base_color, 0.8). Modifies the thead, tfoot, tr:nth-child(even) elements.
base_font_size	Base Font Size for All Slide Elements (must be px). Defaults to 20px. Modifies the html element. The value of this variable is also stored as a CSS variable that can be referenced with var(--base-font-size) in any argument of a style function or in custom CSS.
text_font_size	Slide Body Text Font Size. Defaults to 1rem. Modifies the .remark-slide-content class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-font-size) in any argument of a style function or in custom CSS.
header_h1_font_size	h1 Header Text Font Size. Defaults to 2.75rem. Modifies the .remark-slide-content h1 class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-h1-font-size) in any argument of a style function or in custom CSS.
header_h2_font_size	h2 Header Text Font Size. Defaults to 2.25rem. Modifies the .remark-slide-content h2 class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-h2-font-size) in any argument of a style function or in custom CSS.
header_h3_font_size	h3 Header Text Font Size. Defaults to 1.75rem. Modifies the .remark-slide-content h3 class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-h3-font-size) in any argument of a style function or in custom CSS.
header_background_auto	Add background under slide title automatically for h1 header elements. If not enabled, use class: header_background to enable. Defaults to FALSE.
header_background_color	Background Color for h1 Header with Background. Defaults to header_color. Modifies the .remark-slide-content h1 class. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-background-color) in any argument of a style function or in custom CSS.
header_background_text_color	Text Color for h1 Header with Background. Defaults to background_color. Modifies the .remark-slide-content h1 class. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-background-text-color) in any argument of a style function or in custom CSS.
header_background_padding	Padding for h1 Header with Background. Defaults to NULL. Modifies the .remark-slide-content h1 class. Accepts CSS padding property values.

header_background_content_padding_top	Top Padding for Content in Slide with Header with Background. Defaults to 7rem. Modifies the <code>.remark-slide-content</code> class.
header_background_ignore_classes	Slide Classes Where Header with Background will not be Applied. Defaults to <code>c('normal', 'inverse', 'title', 'middle', 'bottom')</code> . Modifies the <code>.remark-slide-content</code> class.
text_slide_number_font_size	Slide Number Text Font Size. Defaults to 0.9rem. Modifies the <code>.remark-slide-number</code> class. Accepts CSS <b>font-size</b> property values.
text_font_google	Use <code>google_font()</code> to specify body font. Defaults to NULL. Modifies the body element.
text_font_family	Body Text Font Family (xaringan default is 'Droid Serif'). Defaults to <code>xaringantheme_font_default</code> . Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-font-family)</code> in any argument of a style function or in custom CSS.
text_font_weight	Body Text Font Weight. Defaults to <code>xaringantheme_font_default("text_font_weight")</code> . Modifies the body element. Accepts CSS <b>font-weight</b> property values.
text_bold_font_weight	Body Bold Text Font Weight. Defaults to bold. Modifies the strong element.
text_font_url	Body Text Font URL(s). Defaults to <code>xaringantheme_font_default("text_font_url")</code> . Modifies the <code>@import url()</code> elements.
text_font_family_fallback	Body Text Font Fallbacks. Defaults to <code>xaringantheme_font_default("text_font_family_fallback")</code> . Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-font-family-fallback)</code> in any argument of a style function or in custom CSS.
text_font_base	Body Text Base Font (Total Failure Fallback). Defaults to sans-serif. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-font-base)</code> in any argument of a style function or in custom CSS.
header_font_google	Use <code>google_font()</code> to specify header font. Defaults to NULL. Modifies the body element.
header_font_family	Header Font Family (xaringan default is 'Yanone Kaffeesatz'). Defaults to <code>xaringantheme_font_default("header_font_family")</code> . Modifies the <code>h1</code> , <code>h2</code> , <code>h3</code> elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-font-family)</code> in any argument of a style function or in custom CSS.
header_font_weight	Header Font Weight. Defaults to <code>xaringantheme_font_default("header_font_weight")</code> . Modifies the <code>h1</code> , <code>h2</code> , <code>h3</code> elements. Accepts CSS <b>font-weight</b> property values.



header_font_family_fallback	Header Font Family Fallback. Defaults to Georgia, serif. Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-font-family-fallback)</code> in any argument of a style function or in custom CSS.
header_font_url	Header Font URL. Defaults to <code>xaringantheme_font_default("header_font_url")</code> . Modifies the <code>@import url</code> elements.
code_font_google	Use <code>google_font()</code> to specify code font. Defaults to NULL. Modifies the body element.
code_font_family	Code Font Family. Defaults to <code>xaringantheme_font_default("code_font_family")</code> . Modifies the <code>.remark-code</code> , <code>.remark-inline-code</code> classes. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-font-family)</code> in any argument of a style function or in custom CSS.
code_font_size	Code Text Font Size. Defaults to 0.9rem. Modifies the <code>.remark-inline</code> class. Accepts CSS <code>font-size</code> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-font-size)</code> in any argument of a style function or in custom CSS.
code_font_url	Code Font URL. Defaults to <code>xaringantheme_font_default("code_font_url")</code> . Modifies the <code>@import url</code> elements.
code_font_family_fallback	Code Font Fallback. Defaults to <code>xaringantheme_font_default("code_font_family_fallback")</code> . Modifies the <code>.remark-code</code> , <code>.remark-inline-code</code> classes.
link_decoration	Text decoration of links. Defaults to none. Modifies the <code>a</code> , <code>a &gt; code</code> elements. Accepts CSS <code>text-decoration</code> property values.
colors	A named vector of custom colors. The names of the colors become CSS variables and classes that can be used within your slides. For example, <code>colors = c(blue = "#bad4ed")</code> adds a CSS variable <code>--blue</code> , a <code>.blue</code> CSS class that applies the color to the text or foreground color, and a <code>.bg-blue</code> CSS class that applies the color to the background.
extra_css	A named list of CSS definitions each containing a named list of CSS property-value pairs, i.e. <code>list(".class-id" = list("css-property" = "value"))</code> .
extra_fonts	A list of additional fonts to import, each list element can be either a URL as a character string or a call to <code>google_font()</code> . To use a font imported in <code>extra_fonts</code> , you will need to write custom CSS rules that apply the font to an element or class with the <code>font-family</code> property. See the <b>Fonts</b> section of <code>vignette("xaringantheme")</code> for an example.
outfile	Customized xaringan CSS output file name, default is "xaringan-themer.css"

### Value

The CSS styles are written to the file path provided in `outfile` (by default to `xaringan-themer.css`). If `outfile` is NULL, the CSS is returned directly as a character string.

**Usage**

To use the styles created by this theme function, make sure that you use `xaringan-themer.css` as your CSS file in your slides' YAML header. If you change the name of the output file using the `outfile` argument, use that name instead of the default file name.

```
output:
xaringan::moon_reader:
  css: xaringan-themer.css
```

**See Also**

Other themes: [style\\_duo\(\)](#), [style\\_duo\\_accent\(\)](#), [style\\_duo\\_accent\\_inverse\(\)](#), [style\\_mono\\_accent\\_inverse\(\)](#), [style\\_mono\\_dark\(\)](#), [style\\_mono\\_light\(\)](#), [style\\_solarized\\_dark\(\)](#), [style\\_solarized\\_light\(\)](#), [xaringanthemer\\_font\\_default\(\)](#)

Other Monotone themes: [style\\_mono\\_accent\\_inverse\(\)](#), [style\\_mono\\_dark\(\)](#), [style\\_mono\\_light\(\)](#)

**Examples**

```
# Create a xaringan style in a temporary file
xaringan_themer_css <- tempfile("xaringan-themer-", fileext = ".css")

style_mono_accent(
  base_color = "#43418A",
  outfile = xaringan_themer_css # omit in your slides to write the
                                # styles to xaringan-themer.css
)

# View the CSS:
# file.edit(xaringan_themer_css)
```

---

style\_mono\_accent\_inverse

*Monotone Accent Inverse Theme*

---

**Description**

An "inverted" default xaringan theme with a single color used for color accents on select elements (headers, bold text, etc.).

**Usage**

```
style_mono_accent_inverse(
  base_color = "#3C989E",
  white_color = "#FFFFFF",
  black_color = darken_color(base_color, 0.9),
  text_color = white_color,
  header_color = base_color,
```

```

background_color = black_color,
link_color = base_color,
text_bold_color = base_color,
text_slide_number_color = base_color,
padding = "16px 64px 16px 64px",
background_image = NULL,
background_size = NULL,
background_position = NULL,
code_highlight_color = "rgba(255,255,0,0.5)",
code_inline_color = base_color,
code_inline_background_color = NULL,
code_inline_font_size = "1em",
inverse_background_color = base_color,
inverse_text_color = black_color,
inverse_text_shadow = FALSE,
inverse_header_color = inverse_text_color,
inverse_link_color = link_color,
title_slide_text_color = inverse_text_color,
title_slide_background_color = inverse_background_color,
title_slide_background_image = NULL,
title_slide_background_size = NULL,
title_slide_background_position = NULL,
footnote_color = NULL,
footnote_font_size = "0.9em",
footnote_position_bottom = "60px",
left_column_subtle_color = apply_alpha(base_color, 0.6),
left_column_selected_color = base_color,
blockquote_left_border_color = apply_alpha(base_color, 0.5),
table_border_color = "#666",
table_row_border_color = "#ddd",
table_row_even_background_color = darken_color(base_color, 0.8),
base_font_size = "20px",
text_font_size = "1rem",
header_h1_font_size = "2.75rem",
header_h2_font_size = "2.25rem",
header_h3_font_size = "1.75rem",
header_background_auto = FALSE,
header_background_color = header_color,
header_background_text_color = background_color,
header_background_padding = NULL,
header_background_content_padding_top = "7rem",
header_background_ignore_classes = c("normal", "inverse", "title", "middle", "bottom"),
text_slide_number_font_size = "0.9rem",
text_font_google = NULL,
text_font_family = xaringantheme_font_default("text_font_family"),
text_font_weight = xaringantheme_font_default("text_font_weight"),
text_bold_font_weight = "bold",
text_font_url = xaringantheme_font_default("text_font_url"),

```

```

text_font_family_fallback = xaringantheme_font_default("text_font_family_fallback"),
text_font_base = "sans-serif",
header_font_google = NULL,
header_font_family = xaringantheme_font_default("header_font_family"),
header_font_weight = xaringantheme_font_default("header_font_weight"),
header_font_family_fallback = "Georgia, serif",
header_font_url = xaringantheme_font_default("header_font_url"),
code_font_google = NULL,
code_font_family = xaringantheme_font_default("code_font_family"),
code_font_size = "0.9rem",
code_font_url = xaringantheme_font_default("code_font_url"),
code_font_family_fallback = xaringantheme_font_default("code_font_family_fallback"),
link_decoration = "none",
colors = NULL,
extra_css = NULL,
extra_fonts = NULL,
outfile = "xaringan-theme.css"
)

```

## Arguments

<code>base_color</code>	Monotone Base Color, works best with a light color. Defaults to #3C989E. Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--base)</code> in any argument of a style function or in custom CSS.
<code>white_color</code>	Brightest color used, default is a very light version of <code>base_color</code> . Defaults to #FFFFFF. Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--white)</code> in any argument of a style function or in custom CSS.
<code>black_color</code>	Darkest color used, default is a very dark, version of <code>base_color</code> . Defaults to <code>darken_color(base_color, 0.9)</code> . Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--black)</code> in any argument of a style function or in custom CSS.
<code>text_color</code>	Text Color. Defaults to <code>white_color</code> . Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text_color)</code> in any argument of a style function or in custom CSS.
<code>header_color</code>	Header Color. Defaults to <code>base_color</code> . Modifies the <code>h1</code> , <code>h2</code> , <code>h3</code> elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-color)</code> in any argument of a style function or in custom CSS.
<code>background_color</code>	Slide Background Color. Defaults to <code>black_color</code> . Modifies the <code>.remark-slide-content</code> class. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--background-color)</code> in any argument of a style function or in custom CSS.
<code>link_color</code>	Link Color. Defaults to <code>base_color</code> . Modifies the <code>a</code> , <code>a &gt;</code> code elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--link-color)</code> in any argument of a style function or in custom CSS.

text_bold_color	Bold Text Color. Defaults to base_color. Modifies the strong element. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-bold-color) in any argument of a style function or in custom CSS.
text_slide_number_color	Slide Number Color. Defaults to base_color. Modifies the .remark-slide-number class.
padding	Slide Padding in top right [bottom left] format. Defaults to 16px 64px 16px 64px. Modifies the .remark-slide-content class. Accepts CSS padding property values.
background_image	Background image applied to each <i>and every</i> slide. Set title_slide_background_image = "none" to remove the background image from the title slide. Defaults to NULL. Modifies the .remark-slide-content class.
background_size	Background image size, requires background_image to be set. If background_image is set, background_size will default to cover so the background fills the screen. If both background_image and background_position are set, will default to 100 percent. Defaults to NULL. Modifies the .remark-slide-content class. Accepts CSS background-size property values.
background_position	Background image position, requires background_image to be set, and it is recommended to adjust background_size. Defaults to NULL. Modifies the .remark-slide-content class. Accepts CSS background-position property values.
code_highlight_color	Code Line Highlight. Defaults to rgba(255,255,0,0.5). Modifies the .remark-code-line-highlighted class. The value of this variable is also stored as a CSS variable that can be referenced with var(--code-highlight-color) in any argument of a style function or in custom CSS.
code_inline_color	Inline Code Color. Defaults to base_color. Modifies the .remark-inline-code class.
code_inline_background_color	Inline Code Background Color. Defaults to NULL. Modifies the .remark-inline-code class.
code_inline_font_size	Inline Code Text Font Size. Defaults to 1em. Modifies the .remark-inline-code class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--code-inline-font-size) in any argument of a style function or in custom CSS.
inverse_background_color	Inverse Background Color. Defaults to base_color. Modifies the .inverse class. The value of this variable is also stored as a CSS variable that can be referenced with var(--inverse-background-color) in any argument of a style function or in custom CSS.

`inverse_text_color`

Inverse Text Color. Defaults to `black_color`. Modifies the `.inverse` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-text-color)` in any argument of a style function or in custom CSS.

`inverse_text_shadow`

Enables Shadow on text of inverse slides. Defaults to `FALSE`. Modifies the `.inverse` class.

`inverse_header_color`

Inverse Header Color. Defaults to `inverse_text_color`. Modifies the `.inverse h1`, `.inverse h2`, `.inverse h3` classes. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-header-color)` in any argument of a style function or in custom CSS.

`inverse_link_color`

Inverse Link Color. Defaults to `link_color`. Modifies the `.inverse a`, `.inverse a > code` classes. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-link-color)` in any argument of a style function or in custom CSS.

`title_slide_text_color`

Title Slide Text Color. Defaults to `inverse_text_color`. Modifies the `.title-slide` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--title-slide-text-color)` in any argument of a style function or in custom CSS.

`title_slide_background_color`

Title Slide Background Color. Defaults to `inverse_background_color`. Modifies the `.title-slide` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--title-slide-background-color)` in any argument of a style function or in custom CSS.

`title_slide_background_image`

Title Slide Background Image URL. Defaults to `NULL`. Modifies the `.title-slide` class.

`title_slide_background_size`

Title Slide Background Image Size, defaults to "cover" if background image is set. Defaults to `NULL`. Modifies the `.title-slide` class. Accepts CSS `background-size` property values.

`title_slide_background_position`

Title Slide Background Image Position. Defaults to `NULL`. Modifies the `.title-slide` class. Accepts CSS `background-position` property values.

`footnote_color` Footnote text color (if NA, then it will be the same color as `text_color`). Defaults to `NULL`. Modifies the `.footnote` class.

`footnote_font_size`

Footnote font size. Defaults to `0.9em`. Modifies the `.footnote` class. Accepts CSS `font-size` property values.

`footnote_position_bottom`

Footnote location from bottom of screen. Defaults to `60px`. Modifies the `.footnote` class. Accepts CSS `position` property values.

`left_column_subtle_color`

Left Column Text (not last). Defaults to `apply_alpha(base_color, 0.6)`. Modifies the `.left-column h2`, `.left-column h3` classes.

left_column_selected_color	Left Column Current Selection. Defaults to base_color. Modifies the .left-column h2:last-of-type classes.
blockquote_left_border_color	Blockquote Left Border Color. Defaults to apply_alpha(base_color, 0.5). Modifies the blockquote element.
table_border_color	Table top/bottom border. Defaults to #666. Modifies the table: border-top, border-bottom elements.
table_row_border_color	Table row inner bottom border. Defaults to #ddd. Modifies the table thead th: border-bottom elements.
table_row_even_background_color	Table Even Row Background Color. Defaults to darken_color(base_color, 0.8). Modifies the thead, tfoot, tr:nth-child(even) elements.
base_font_size	Base Font Size for All Slide Elements (must be px). Defaults to 20px. Modifies the html element. The value of this variable is also stored as a CSS variable that can be referenced with var(--base-font-size) in any argument of a style function or in custom CSS.
text_font_size	Slide Body Text Font Size. Defaults to 1rem. Modifies the .remark-slide-content class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-font-size) in any argument of a style function or in custom CSS.
header_h1_font_size	h1 Header Text Font Size. Defaults to 2.75rem. Modifies the .remark-slide-content h1 class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-h1-font-size) in any argument of a style function or in custom CSS.
header_h2_font_size	h2 Header Text Font Size. Defaults to 2.25rem. Modifies the .remark-slide-content h2 class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-h2-font-size) in any argument of a style function or in custom CSS.
header_h3_font_size	h3 Header Text Font Size. Defaults to 1.75rem. Modifies the .remark-slide-content h3 class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-h3-font-size) in any argument of a style function or in custom CSS.
header_background_auto	Add background under slide title automatically for h1 header elements. If not enabled, use class: header_background to enable. Defaults to FALSE.
header_background_color	Background Color for h1 Header with Background. Defaults to header_color. Modifies the .remark-slide-content h1 class. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-background-color) in any argument of a style function or in custom CSS.

<code>header_background_text_color</code>	Text Color for h1 Header with Background. Defaults to <code>background_color</code> . Modifies the <code>.remark-slide-content h1</code> class. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-background-text-color)</code> in any argument of a style function or in custom CSS.
<code>header_background_padding</code>	Padding for h1 Header with Background. Defaults to NULL. Modifies the <code>.remark-slide-content h1</code> class. Accepts CSS <code>padding</code> property values.
<code>header_background_content_padding_top</code>	Top Padding for Content in Slide with Header with Background. Defaults to <code>7rem</code> . Modifies the <code>.remark-slide-content</code> class.
<code>header_background_ignore_classes</code>	Slide Classes Where Header with Background will not be Applied. Defaults to <code>c('normal', 'inverse', 'title', 'middle', 'bottom')</code> . Modifies the <code>.remark-slide-content</code> class.
<code>text_slide_number_font_size</code>	Slide Number Text Font Size. Defaults to <code>0.9rem</code> . Modifies the <code>.remark-slide-number</code> class. Accepts CSS <code>font-size</code> property values.
<code>text_font_google</code>	Use <code>google_font()</code> to specify body font. Defaults to NULL. Modifies the body element.
<code>text_font_family</code>	Body Text Font Family (xaringan default is 'Droid Serif'). Defaults to <code>xaringanthemer_font_default</code> . Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-font-family)</code> in any argument of a style function or in custom CSS.
<code>text_font_weight</code>	Body Text Font Weight. Defaults to <code>xaringanthemer_font_default("text_font_weight")</code> . Modifies the body element. Accepts CSS <code>font-weight</code> property values.
<code>text_bold_font_weight</code>	Body Bold Text Font Weight. Defaults to <code>bold</code> . Modifies the <code>strong</code> element.
<code>text_font_url</code>	Body Text Font URL(s). Defaults to <code>xaringanthemer_font_default("text_font_url")</code> . Modifies the <code>@import url()</code> elements.
<code>text_font_family_fallback</code>	Body Text Font Fallbacks. Defaults to <code>xaringanthemer_font_default("text_font_family_fallback")</code> . Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-font-family-fallback)</code> in any argument of a style function or in custom CSS.
<code>text_font_base</code>	Body Text Base Font (Total Failure Fallback). Defaults to <code>sans-serif</code> . Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-font-base)</code> in any argument of a style function or in custom CSS.
<code>header_font_google</code>	Use <code>google_font()</code> to specify header font. Defaults to NULL. Modifies the body element.



header_font_family	Header Font Family (xaringan default is 'Yanone Kaffeesatz'). Defaults to <code>xaringanthemer_font_default("header_font_family")</code> . Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-font-family)</code> in any argument of a style function or in custom CSS.
header_font_weight	Header Font Weight. Defaults to <code>xaringanthemer_font_default("header_font_weight")</code> . Modifies the h1, h2, h3 elements. Accepts CSS <b>font-weight</b> property values.
header_font_family_fallback	Header Font Family Fallback. Defaults to Georgia, serif. Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-font-family-fallback)</code> in any argument of a style function or in custom CSS.
header_font_url	Header Font URL. Defaults to <code>xaringanthemer_font_default("header_font_url")</code> . Modifies the <code>@import url</code> elements.
code_font_google	Use <code>google_font()</code> to specify code font. Defaults to NULL. Modifies the body element.
code_font_family	Code Font Family. Defaults to <code>xaringanthemer_font_default("code_font_family")</code> . Modifies the <code>.remark-code</code> , <code>.remark-inline-code</code> classes. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-font-family)</code> in any argument of a style function or in custom CSS.
code_font_size	Code Text Font Size. Defaults to 0.9rem. Modifies the <code>.remark-inline</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-font-size)</code> in any argument of a style function or in custom CSS.
code_font_url	Code Font URL. Defaults to <code>xaringanthemer_font_default("code_font_url")</code> . Modifies the <code>@import url</code> elements.
code_font_family_fallback	Code Font Fallback. Defaults to <code>xaringanthemer_font_default("code_font_family_fallback")</code> . Modifies the <code>.remark-code</code> , <code>.remark-inline-code</code> classes.
link_decoration	Text decoration of links. Defaults to none. Modifies the <code>a</code> , <code>a &gt; code</code> elements. Accepts CSS <b>text-decoration</b> property values.
colors	A named vector of custom colors. The names of the colors become CSS variables and classes that can be used within your slides. For example, <code>colors = c(blue = "#bad4ed")</code> adds a CSS variable <code>--blue</code> , a <code>.blue</code> CSS class that applies the color to the text or foreground color, and a <code>.bg-blue</code> CSS class that applies the color to the background.
extra_css	A named list of CSS definitions each containing a named list of CSS property-value pairs, i.e. <code>list(".class-id" = list("css-property" = "value"))</code> .
extra_fonts	A list of additional fonts to import, each list element can be either a URL as a character string or a call to <code>google_font()</code> . To use a font imported in

extra\_fonts, you will need to write custom CSS rules that apply the font to an element or class with the font-family property. See the **Fonts** section of vignette("xaringantheme") for an example.

outfile Customized xaringan CSS output file name, default is "xaringan-themer.css"

### Value

The CSS styles are written to the file path provided in outfile (by default to xaringan-themer.css). If outfile is NULL, the CSS is returned directly as a character string.

### Usage

To use the styles created by this theme function, make sure that you use xaringan-themer.css as your CSS file in your slides' YAML header. If you change the name of the output file using the outfile argument, use that name instead of the default file name.

```
output:
xaringan::moon_reader:
  css: xaringan-themer.css
```

### See Also

Other themes: [style\\_duo\(\)](#), [style\\_duo\\_accent\(\)](#), [style\\_duo\\_accent\\_inverse\(\)](#), [style\\_mono\\_accent\(\)](#), [style\\_mono\\_dark\(\)](#), [style\\_mono\\_light\(\)](#), [style\\_solarized\\_dark\(\)](#), [style\\_solarized\\_light\(\)](#), [xaringantheme\\_font\\_default\(\)](#)

Other Monotone themes: [style\\_mono\\_accent\(\)](#), [style\\_mono\\_dark\(\)](#), [style\\_mono\\_light\(\)](#)

### Examples

```
# Create a xaringan style in a temporary file
xaringan_themer_css <- tempfile("xaringan-themer-", fileext = ".css")

style_mono_accent_inverse(
  base_color = "#3c989e",
  outfile = xaringan_themer_css # omit in your slides to write the
                                # styles to xaringan-themer.css
)

# View the CSS:
# file.edit(xaringan_themer_css)
```

---

style\_mono\_dark

*Monotone Dark Theme*

---

### Description

A dark monotone theme based around a single color.

**Usage**

```
style_mono_dark(  
  base_color = "#cbf7ed",  
  white_color = lighten_color(base_color, 0.8),  
  black_color = darken_color(base_color, 0.85),  
  text_color = white_color,  
  header_color = base_color,  
  background_color = black_color,  
  link_color = base_color,  
  text_bold_color = base_color,  
  text_slide_number_color = base_color,  
  padding = "16px 64px 16px 64px",  
  background_image = NULL,  
  background_size = NULL,  
  background_position = NULL,  
  code_highlight_color = "rgba(255,255,0,0.5)",  
  code_inline_color = base_color,  
  code_inline_background_color = NULL,  
  code_inline_font_size = "1em",  
  inverse_background_color = base_color,  
  inverse_text_color = black_color,  
  inverse_text_shadow = FALSE,  
  inverse_header_color = inverse_text_color,  
  inverse_link_color = link_color,  
  title_slide_text_color = inverse_text_color,  
  title_slide_background_color = inverse_background_color,  
  title_slide_background_image = NULL,  
  title_slide_background_size = NULL,  
  title_slide_background_position = NULL,  
  footnote_color = NULL,  
  footnote_font_size = "0.9em",  
  footnote_position_bottom = "60px",  
  left_column_subtle_color = apply_alpha(base_color, 0.6),  
  left_column_selected_color = base_color,  
  blockquote_left_border_color = apply_alpha(base_color, 0.5),  
  table_border_color = "#666",  
  table_row_border_color = "#ddd",  
  table_row_even_background_color = darken_color(base_color, 0.7),  
  base_font_size = "20px",  
  text_font_size = "1rem",  
  header_h1_font_size = "2.75rem",  
  header_h2_font_size = "2.25rem",  
  header_h3_font_size = "1.75rem",  
  header_background_auto = FALSE,  
  header_background_color = header_color,  
  header_background_text_color = background_color,  
  header_background_padding = NULL,  
  header_background_content_padding_top = "7rem",
```

```

header_background_ignore_classes = c("normal", "inverse", "title", "middle", "bottom"),
text_slide_number_font_size = "0.9rem",
text_font_google = NULL,
text_font_family = xaringantheme_font_default("text_font_family"),
text_font_weight = xaringantheme_font_default("text_font_weight"),
text_bold_font_weight = "bold",
text_font_url = xaringantheme_font_default("text_font_url"),
text_font_family_fallback = xaringantheme_font_default("text_font_family_fallback"),
text_font_base = "sans-serif",
header_font_google = NULL,
header_font_family = xaringantheme_font_default("header_font_family"),
header_font_weight = xaringantheme_font_default("header_font_weight"),
header_font_family_fallback = "Georgia, serif",
header_font_url = xaringantheme_font_default("header_font_url"),
code_font_google = NULL,
code_font_family = xaringantheme_font_default("code_font_family"),
code_font_size = "0.9rem",
code_font_url = xaringantheme_font_default("code_font_url"),
code_font_family_fallback = xaringantheme_font_default("code_font_family_fallback"),
link_decoration = "none",
colors = NULL,
extra_css = NULL,
extra_fonts = NULL,
outfile = "xaringan-theme.css"
)

```

## Arguments

base_color	Monotone Base Color, works best with a light color.. Defaults to #cbf7ed. Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with var(--base) in any argument of a style function or in custom CSS.
white_color	Brightest color used, default is a very light version of base_color. Defaults to lighten_color(base_color, 0.8). Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with var(--white) in any argument of a style function or in custom CSS.
black_color	Darkest color used, default is a very dark, version of base_color. Defaults to darken_color(base_color, 0.85). Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with var(--black) in any argument of a style function or in custom CSS.
text_color	Text Color. Defaults to white_color. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with var(--text_color) in any argument of a style function or in custom CSS.
header_color	Header Color. Defaults to base_color. Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-color) in any argument of a style function or in custom CSS.

background_color	Slide Background Color. Defaults to <code>black_color</code> . Modifies the <code>.remark-slide-content</code> class. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--background-color)</code> in any argument of a style function or in custom CSS.
link_color	Link Color. Defaults to <code>base_color</code> . Modifies the <code>a</code> , <code>a &gt;</code> code elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--link-color)</code> in any argument of a style function or in custom CSS.
text_bold_color	Bold Text Color. Defaults to <code>base_color</code> . Modifies the <code>strong</code> element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-bold-color)</code> in any argument of a style function or in custom CSS.
text_slide_number_color	Slide Number Color. Defaults to <code>base_color</code> . Modifies the <code>.remark-slide-number</code> class.
padding	Slide Padding in top right [bottom left] format. Defaults to 16px 64px 16px 64px. Modifies the <code>.remark-slide-content</code> class. Accepts CSS <code>padding</code> property values.
background_image	Background image applied to each <i>and every</i> slide. Set <code>title_slide_background_image = "none"</code> to remove the background image from the title slide. Defaults to NULL. Modifies the <code>.remark-slide-content</code> class.
background_size	Background image size, requires <code>background_image</code> to be set. If <code>background_image</code> is set, <code>background_size</code> will default to cover so the background fills the screen. If both <code>background_image</code> and <code>background_position</code> are set, will default to 100 percent. Defaults to NULL. Modifies the <code>.remark-slide-content</code> class. Accepts CSS <code>background-size</code> property values.
background_position	Background image position, requires <code>background_image</code> to be set, and it is recommended to adjust <code>background_size</code> . Defaults to NULL. Modifies the <code>.remark-slide-content</code> class. Accepts CSS <code>background-position</code> property values.
code_highlight_color	Code Line Highlight. Defaults to <code>rgba(255,255,0,0.5)</code> . Modifies the <code>.remark-code-line-highlighted</code> class. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-highlight-color)</code> in any argument of a style function or in custom CSS.
code_inline_color	Inline Code Color. Defaults to <code>base_color</code> . Modifies the <code>.remark-inline-code</code> class.
code_inline_background_color	Inline Code Background Color. Defaults to NULL. Modifies the <code>.remark-inline-code</code> class.
code_inline_font_size	Inline Code Text Font Size. Defaults to 1em. Modifies the <code>.remark-inline-code</code> class. Accepts CSS <code>font-size</code> property values. The value of this variable is also

stored as a CSS variable that can be referenced with `var(--code-inline-font-size)` in any argument of a style function or in custom CSS.

`inverse_background_color`

Inverse Background Color. Defaults to `base_color`. Modifies the `.inverse` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-background-color)` in any argument of a style function or in custom CSS.

`inverse_text_color`

Inverse Text Color. Defaults to `black_color`. Modifies the `.inverse` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-text-color)` in any argument of a style function or in custom CSS.

`inverse_text_shadow`

Enables Shadow on text of inverse slides. Defaults to `FALSE`. Modifies the `.inverse` class.

`inverse_header_color`

Inverse Header Color. Defaults to `inverse_text_color`. Modifies the `.inverse h1`, `.inverse h2`, `.inverse h3` classes. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-header-color)` in any argument of a style function or in custom CSS.

`inverse_link_color`

Inverse Link Color. Defaults to `link_color`. Modifies the `.inverse a`, `.inverse a > code` classes. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-link-color)` in any argument of a style function or in custom CSS.

`title_slide_text_color`

Title Slide Text Color. Defaults to `inverse_text_color`. Modifies the `.title-slide` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--title-slide-text-color)` in any argument of a style function or in custom CSS.

`title_slide_background_color`

Title Slide Background Color. Defaults to `inverse_background_color`. Modifies the `.title-slide` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--title-slide-background-color)` in any argument of a style function or in custom CSS.

`title_slide_background_image`

Title Slide Background Image URL. Defaults to `NULL`. Modifies the `.title-slide` class.

`title_slide_background_size`

Title Slide Background Image Size, defaults to "cover" if background image is set. Defaults to `NULL`. Modifies the `.title-slide` class. Accepts CSS `background-size` property values.

`title_slide_background_position`

Title Slide Background Image Position. Defaults to `NULL`. Modifies the `.title-slide` class. Accepts CSS `background-position` property values.

`footnote_color` Footnote text color (if NA, then it will be the same color as `text_color`). Defaults to `NULL`. Modifies the `.footnote` class.

footnote_font_size	Footnote font size. Defaults to 0.9em. Modifies the <code>.footnote</code> class. Accepts CSS <b>font-size</b> property values.
footnote_position_bottom	Footnote location from bottom of screen. Defaults to 60px. Modifies the <code>.footnote</code> class. Accepts CSS <b>position</b> property values.
left_column_subtle_color	Left Column Text (not last). Defaults to <code>apply_alpha(base_color, 0.6)</code> . Modifies the <code>.left-column h2</code> , <code>.left-column h3</code> classes.
left_column_selected_color	Left Column Current Selection. Defaults to <code>base_color</code> . Modifies the <code>.left-column h2:last-of-type</code> classes.
blockquote_left_border_color	Blockquote Left Border Color. Defaults to <code>apply_alpha(base_color, 0.5)</code> . Modifies the blockquote element.
table_border_color	Table top/bottom border. Defaults to #666. Modifies the <code>table: border-top</code> , <code>border-bottom</code> elements.
table_row_border_color	Table row inner bottom border. Defaults to #ddd. Modifies the <code>table thead th: border-bottom</code> elements.
table_row_even_background_color	Table Even Row Background Color. Defaults to <code>darken_color(base_color, 0.7)</code> . Modifies the <code>thead</code> , <code>tfoot</code> , <code>tr:nth-child(even)</code> elements.
base_font_size	Base Font Size for All Slide Elements (must be px). Defaults to 20px. Modifies the <code>html</code> element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--base-font-size)</code> in any argument of a style function or in custom CSS.
text_font_size	Slide Body Text Font Size. Defaults to 1rem. Modifies the <code>.remark-slide-content</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-font-size)</code> in any argument of a style function or in custom CSS.
header_h1_font_size	h1 Header Text Font Size. Defaults to 2.75rem. Modifies the <code>.remark-slide-content h1</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-h1-font-size)</code> in any argument of a style function or in custom CSS.
header_h2_font_size	h2 Header Text Font Size. Defaults to 2.25rem. Modifies the <code>.remark-slide-content h2</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-h2-font-size)</code> in any argument of a style function or in custom CSS.
header_h3_font_size	h3 Header Text Font Size. Defaults to 1.75rem. Modifies the <code>.remark-slide-content h3</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-h3-font-size)</code> in any argument of a style function or in custom CSS.

**header\_background\_auto**

Add background under slide title automatically for h1 header elements. If not enabled, use class: header\_background to enable. Defaults to FALSE.

**header\_background\_color**

Background Color for h1 Header with Background. Defaults to header\_color. Modifies the .remark-slide-content h1 class. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-background-color) in any argument of a style function or in custom CSS.

**header\_background\_text\_color**

Text Color for h1 Header with Background. Defaults to background\_color. Modifies the .remark-slide-content h1 class. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-background-text-color) in any argument of a style function or in custom CSS.

**header\_background\_padding**

Padding for h1 Header with Background. Defaults to NULL. Modifies the .remark-slide-content h1 class. Accepts CSS padding property values.

**header\_background\_content\_padding\_top**

Top Padding for Content in Slide with Header with Background. Defaults to 7rem. Modifies the .remark-slide-content class.

**header\_background\_ignore\_classes**

Slide Classes Where Header with Background will not be Applied. Defaults to c('normal', 'inverse', 'title', 'middle', 'bottom'). Modifies the .remark-slide-content class.

**text\_slide\_number\_font\_size**

Slide Number Text Font Size. Defaults to 0.9rem. Modifies the .remark-slide-number class. Accepts CSS font-size property values.

**text\_font\_google**

Use google\_font() to specify body font. Defaults to NULL. Modifies the body element.

**text\_font\_family**

Body Text Font Family (xaringan default is 'Droid Serif'). Defaults to xaringantheme\_font\_default. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-font-family) in any argument of a style function or in custom CSS.

**text\_font\_weight**

Body Text Font Weight. Defaults to xaringantheme\_font\_default("text\_font\_weight"). Modifies the body element. Accepts CSS font-weight property values.

**text\_bold\_font\_weight**

Body Bold Text Font Weight. Defaults to bold. Modifies the strong element.

**text\_font\_url**

Body Text Font URL(s). Defaults to xaringantheme\_font\_default("text\_font\_url").

Modifies the @import url() elements.

**text\_font\_family\_fallback**

Body Text Font Fallbacks. Defaults to xaringantheme\_font\_default("text\_font\_family\_fallback"). Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-font-family-fallback) in any argument of a style function or in custom CSS.



text_font_base	Body Text Base Font (Total Failure Fallback). Defaults to sans-serif. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-font-base)</code> in any argument of a style function or in custom CSS.
header_font_google	Use <code>google_font()</code> to specify header font. Defaults to NULL. Modifies the body element.
header_font_family	Header Font Family (xaringan default is 'Yanone Kaffeesatz'). Defaults to <code>xaringanthemer_font_default("header_font_family")</code> . Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-font-family)</code> in any argument of a style function or in custom CSS.
header_font_weight	Header Font Weight. Defaults to <code>xaringanthemer_font_default("header_font_weight")</code> . Modifies the h1, h2, h3 elements. Accepts CSS <b>font-weight</b> property values.
header_font_family_fallback	Header Font Family Fallback. Defaults to Georgia, serif. Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-font-family-fallback)</code> in any argument of a style function or in custom CSS.
header_font_url	Header Font URL. Defaults to <code>xaringanthemer_font_default("header_font_url")</code> . Modifies the <code>@import url</code> elements.
code_font_google	Use <code>google_font()</code> to specify code font. Defaults to NULL. Modifies the body element.
code_font_family	Code Font Family. Defaults to <code>xaringanthemer_font_default("code_font_family")</code> . Modifies the <code>.remark-code</code> , <code>.remark-inline-code</code> classes. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-font-family)</code> in any argument of a style function or in custom CSS.
code_font_size	Code Text Font Size. Defaults to 0.9rem. Modifies the <code>.remark-inline</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-font-size)</code> in any argument of a style function or in custom CSS.
code_font_url	Code Font URL. Defaults to <code>xaringanthemer_font_default("code_font_url")</code> . Modifies the <code>@import url</code> elements.
code_font_family_fallback	Code Font Fallback. Defaults to <code>xaringanthemer_font_default("code_font_family_fallback")</code> . Modifies the <code>.remark-code</code> , <code>.remark-inline-code</code> classes.
link_decoration	Text decoration of links. Defaults to none. Modifies the <code>a</code> , <code>a &gt;</code> code elements. Accepts CSS <b>text-decoration</b> property values.
colors	A named vector of custom colors. The names of the colors become CSS variables and classes that can be used within your slides. For example, <code>colors =</code>

	<code>c(blue = "#bad4ed")</code> adds a CSS variable <code>--blue</code> , a <code>.blue</code> CSS class that applies the color to the text or foreground color, and a <code>.bg-blue</code> CSS class that applies the color to the background.
<code>extra_css</code>	A named list of CSS definitions each containing a named list of CSS property-value pairs, i.e. <code>list(".class-id" = list("css-property" = "value"))</code> .
<code>extra_fonts</code>	A list of additional fonts to import, each list element can be either a URL as a character string or a call to <code>google_font()</code> . To use a font imported in <code>extra_fonts</code> , you will need to write custom CSS rules that apply the font to an element or class with the <code>font-family</code> property. See the <b>Fonts</b> section of <code>vignette("xaringan-themer")</code> for an example.
<code>outfile</code>	Customized xaringan CSS output file name, default is "xaringan-themer.css"

### Value

The CSS styles are written to the file path provided in `outfile` (by default to `xaringan-themer.css`). If `outfile` is `NULL`, the CSS is returned directly as a character string.

### Usage

To use the styles created by this theme function, make sure that you use `xaringan-themer.css` as your CSS file in your slides' YAML header. If you change the name of the output file using the `outfile` argument, use that name instead of the default file name.

```
output:
xaringan::moon_reader:
  css: xaringan-themer.css
```

### See Also

Other themes: [style\\_duo\(\)](#), [style\\_duo\\_accent\(\)](#), [style\\_duo\\_accent\\_inverse\(\)](#), [style\\_mono\\_accent\(\)](#), [style\\_mono\\_accent\\_inverse\(\)](#), [style\\_mono\\_light\(\)](#), [style\\_solarized\\_dark\(\)](#), [style\\_solarized\\_light\(\)](#), [xaringan-themer\\_font\\_default\(\)](#)

Other Monotone themes: [style\\_mono\\_accent\(\)](#), [style\\_mono\\_accent\\_inverse\(\)](#), [style\\_mono\\_light\(\)](#)

### Examples

```
# Create a xaringan style in a temporary file
xaringan_themer_css <- tempfile("xaringan-themer-", fileext = ".css")

style_mono_dark(
  base_color = "#cbf7ed",
  outfile = xaringan_themer_css # omit in your slides to write the
                                # styles to xaringan-themer.css
)

# View the CSS:
# file.edit(xaringan_themer_css)
```

---

style_mono_light	<i>Monotone Light Theme</i>
------------------	-----------------------------

---

## Description

A light monotone theme based around a single color.

## Usage

```
style_mono_light(  
  base_color = "#23395b",  
  white_color = lighten_color(base_color, 0.9),  
  black_color = darken_color(base_color, 0.3),  
  text_color = black_color,  
  header_color = base_color,  
  background_color = white_color,  
  link_color = base_color,  
  text_bold_color = base_color,  
  text_slide_number_color = base_color,  
  padding = "16px 64px 16px 64px",  
  background_image = NULL,  
  background_size = NULL,  
  background_position = NULL,  
  code_highlight_color = "rgba(255,255,0,0.5)",  
  code_inline_color = base_color,  
  code_inline_background_color = NULL,  
  code_inline_font_size = "1em",  
  inverse_background_color = base_color,  
  inverse_text_color = white_color,  
  inverse_text_shadow = FALSE,  
  inverse_header_color = inverse_text_color,  
  inverse_link_color = link_color,  
  title_slide_text_color = inverse_text_color,  
  title_slide_background_color = inverse_background_color,  
  title_slide_background_image = NULL,  
  title_slide_background_size = NULL,  
  title_slide_background_position = NULL,  
  footnote_color = NULL,  
  footnote_font_size = "0.9em",  
  footnote_position_bottom = "60px",  
  left_column_subtle_color = apply_alpha(base_color, 0.6),  
  left_column_selected_color = base_color,  
  blockquote_left_border_color = apply_alpha(base_color, 0.5),  
  table_border_color = "#666",  
  table_row_border_color = "#ddd",  
  table_row_even_background_color = lighten_color(base_color, 0.8),  
  base_font_size = "20px",
```

```

text_font_size = "1rem",
header_h1_font_size = "2.75rem",
header_h2_font_size = "2.25rem",
header_h3_font_size = "1.75rem",
header_background_auto = FALSE,
header_background_color = header_color,
header_background_text_color = background_color,
header_background_padding = NULL,
header_background_content_padding_top = "7rem",
header_background_ignore_classes = c("normal", "inverse", "title", "middle", "bottom"),
text_slide_number_font_size = "0.9rem",
text_font_google = NULL,
text_font_family = xaringantheme_font_default("text_font_family"),
text_font_weight = xaringantheme_font_default("text_font_weight"),
text_bold_font_weight = "bold",
text_font_url = xaringantheme_font_default("text_font_url"),
text_font_family_fallback = xaringantheme_font_default("text_font_family_fallback"),
text_font_base = "sans-serif",
header_font_google = NULL,
header_font_family = xaringantheme_font_default("header_font_family"),
header_font_weight = xaringantheme_font_default("header_font_weight"),
header_font_family_fallback = "Georgia, serif",
header_font_url = xaringantheme_font_default("header_font_url"),
code_font_google = NULL,
code_font_family = xaringantheme_font_default("code_font_family"),
code_font_size = "0.9rem",
code_font_url = xaringantheme_font_default("code_font_url"),
code_font_family_fallback = xaringantheme_font_default("code_font_family_fallback"),
link_decoration = "none",
colors = NULL,
extra_css = NULL,
extra_fonts = NULL,
outfile = "xaringan-theme.css"
)

```

## Arguments

base_color	Monotone base color, works best with a strong color. Defaults to #23395b. Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with var(--base) in any argument of a style function or in custom CSS.
white_color	Brightest color used, default is a very light version of base_color. Defaults to lighten_color(base_color, 0.9). Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with var(--white) in any argument of a style function or in custom CSS.
black_color	Darkest color used, default is a very dark, version of base_color. Defaults to darken_color(base_color, 0.3). Used in multiple CSS rules. The value of this variable is also stored as a CSS variable that can be referenced with

	var(--black) in any argument of a style function or in custom CSS.
text_color	Text Color. Defaults to black_color. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with var(--text_color) in any argument of a style function or in custom CSS.
header_color	Header Color. Defaults to base_color. Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-color) in any argument of a style function or in custom CSS.
background_color	Slide Background Color. Defaults to white_color. Modifies the .remark-slide-content class. The value of this variable is also stored as a CSS variable that can be referenced with var(--background-color) in any argument of a style function or in custom CSS.
link_color	Link Color. Defaults to base_color. Modifies the a, a > code elements. The value of this variable is also stored as a CSS variable that can be referenced with var(--link-color) in any argument of a style function or in custom CSS.
text_bold_color	Bold Text Color. Defaults to base_color. Modifies the strong element. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-bold-color) in any argument of a style function or in custom CSS.
text_slide_number_color	Slide Number Color. Defaults to base_color. Modifies the .remark-slide-number class.
padding	Slide Padding in top right [bottom left] format. Defaults to 16px 64px 16px 64px. Modifies the .remark-slide-content class. Accepts CSS <b>padding</b> property values.
background_image	Background image applied to each <i>and every</i> slide. Set title_slide_background_image = "none" to remove the background image from the title slide. Defaults to NULL. Modifies the .remark-slide-content class.
background_size	Background image size, requires background_image to be set. If background_image is set, background_size will default to cover so the background fills the screen. If both background_image and background_position are set, will default to 100 percent. Defaults to NULL. Modifies the .remark-slide-content class. Accepts CSS <b>background-size</b> property values.
background_position	Background image position, requires background_image to be set, and it is recommended to adjust background_size. Defaults to NULL. Modifies the .remark-slide-content class. Accepts CSS <b>background-position</b> property values.
code_highlight_color	Code Line Highlight. Defaults to rgba(255,255,0,0.5). Modifies the .remark-code-line-highlighted class. The value of this variable is also stored as a CSS variable that can be referenced with var(--code-highlight-color) in any argument of a style function or in custom CSS.

`code_inline_color`

Inline Code Color. Defaults to `base_color`. Modifies the `.remark-inline-code` class.

`code_inline_background_color`

Inline Code Background Color. Defaults to NULL. Modifies the `.remark-inline-code` class.

`code_inline_font_size`

Inline Code Text Font Size. Defaults to `1em`. Modifies the `.remark-inline-code` class. Accepts CSS `font-size` property values. The value of this variable is also stored as a CSS variable that can be referenced with `var(--code-inline-font-size)` in any argument of a style function or in custom CSS.

`inverse_background_color`

Inverse Background Color. Defaults to `base_color`. Modifies the `.inverse` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-background-color)` in any argument of a style function or in custom CSS.

`inverse_text_color`

Inverse Text Color. Defaults to `white_color`. Modifies the `.inverse` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-text-color)` in any argument of a style function or in custom CSS.

`inverse_text_shadow`

Enables Shadow on text of inverse slides. Defaults to `FALSE`. Modifies the `.inverse` class.

`inverse_header_color`

Inverse Header Color. Defaults to `inverse_text_color`. Modifies the `.inverse h1`, `.inverse h2`, `.inverse h3` classes. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-header-color)` in any argument of a style function or in custom CSS.

`inverse_link_color`

Inverse Link Color. Defaults to `link_color`. Modifies the `.inverse a`, `.inverse a > code` classes. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-link-color)` in any argument of a style function or in custom CSS.

`title_slide_text_color`

Title Slide Text Color. Defaults to `inverse_text_color`. Modifies the `.title-slide` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--title-slide-text-color)` in any argument of a style function or in custom CSS.

`title_slide_background_color`

Title Slide Background Color. Defaults to `inverse_background_color`. Modifies the `.title-slide` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--title-slide-background-color)` in any argument of a style function or in custom CSS.

`title_slide_background_image`

Title Slide Background Image URL. Defaults to NULL. Modifies the `.title-slide` class.

title_slide_background_size	Title Slide Background Image Size, defaults to "cover" if background image is set. Defaults to NULL. Modifies the <code>.title-slide</code> class. Accepts CSS <b>background-size</b> property values.
title_slide_background_position	Title Slide Background Image Position. Defaults to NULL. Modifies the <code>.title-slide</code> class. Accepts CSS <b>background-position</b> property values.
footnote_color	Footnote text color (if NA, then it will be the same color as <code>text_color</code> ). Defaults to NULL. Modifies the <code>.footnote</code> class.
footnote_font_size	Footnote font size. Defaults to 0.9em. Modifies the <code>.footnote</code> class. Accepts CSS <b>font-size</b> property values.
footnote_position_bottom	Footnote location from bottom of screen. Defaults to 60px. Modifies the <code>.footnote</code> class. Accepts CSS <b>position</b> property values.
left_column_subtle_color	Left Column Text (not last). Defaults to <code>apply_alpha(base_color, 0.6)</code> . Modifies the <code>.left-column h2</code> , <code>.left-column h3</code> classes.
left_column_selected_color	Left Column Current Selection. Defaults to <code>base_color</code> . Modifies the <code>.left-column h2:last-of-type</code> classes.
blockquote_left_border_color	Blockquote Left Border Color. Defaults to <code>apply_alpha(base_color, 0.5)</code> . Modifies the blockquote element.
table_border_color	Table top/bottom border. Defaults to #666. Modifies the <code>table: border-top</code> , <code>border-bottom</code> elements.
table_row_border_color	Table row inner bottom border. Defaults to #ddd. Modifies the <code>table thead th: border-bottom</code> elements.
table_row_even_background_color	Table Even Row Background Color. Defaults to <code>lighten_color(base_color, 0.8)</code> . Modifies the <code>thead</code> , <code>tfoot</code> , <code>tr:nth-child(even)</code> elements.
base_font_size	Base Font Size for All Slide Elements (must be px). Defaults to 20px. Modifies the <code>html</code> element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--base-font-size)</code> in any argument of a style function or in custom CSS.
text_font_size	Slide Body Text Font Size. Defaults to 1rem. Modifies the <code>.remark-slide-content</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-font-size)</code> in any argument of a style function or in custom CSS.
header_h1_font_size	h1 Header Text Font Size. Defaults to 2.75rem. Modifies the <code>.remark-slide-content h1</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-h1-font-size)</code> in any argument of a style function or in custom CSS.

**header\_h2\_font\_size**

h2 Header Text Font Size. Defaults to 2.25rem. Modifies the `.remark-slide-content h2` class. Accepts CSS **font-size** property values. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-h2-font-size)` in any argument of a style function or in custom CSS.

**header\_h3\_font\_size**

h3 Header Text Font Size. Defaults to 1.75rem. Modifies the `.remark-slide-content h3` class. Accepts CSS **font-size** property values. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-h3-font-size)` in any argument of a style function or in custom CSS.

**header\_background\_auto**

Add background under slide title automatically for h1 header elements. If not enabled, use `class: header_background` to enable. Defaults to FALSE.

**header\_background\_color**

Background Color for h1 Header with Background. Defaults to `header_color`. Modifies the `.remark-slide-content h1` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-background-color)` in any argument of a style function or in custom CSS.

**header\_background\_text\_color**

Text Color for h1 Header with Background. Defaults to `background_color`. Modifies the `.remark-slide-content h1` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-background-text-color)` in any argument of a style function or in custom CSS.

**header\_background\_padding**

Padding for h1 Header with Background. Defaults to NULL. Modifies the `.remark-slide-content h1` class. Accepts CSS **padding** property values.

**header\_background\_content\_padding\_top**

Top Padding for Content in Slide with Header with Background. Defaults to 7rem. Modifies the `.remark-slide-content` class.

**header\_background\_ignore\_classes**

Slide Classes Where Header with Background will not be Applied. Defaults to `c('normal', 'inverse', 'title', 'middle', 'bottom')`. Modifies the `.remark-slide-content` class.

**text\_slide\_number\_font\_size**

Slide Number Text Font Size. Defaults to 0.9rem. Modifies the `.remark-slide-number` class. Accepts CSS **font-size** property values.

**text\_font\_google**

Use `google_font()` to specify body font. Defaults to NULL. Modifies the body element.

**text\_font\_family**

Body Text Font Family (xaringan default is 'Droid Serif'). Defaults to `xaringanthemer_font_default`. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with `var(--text-font-family)` in any argument of a style function or in custom CSS.

**text\_font\_weight**

Body Text Font Weight. Defaults to `xaringanthemer_font_default("text_font_weight")`. Modifies the body element. Accepts CSS **font-weight** property values.



text_bold_font_weight	Body Bold Text Font Weight. Defaults to bold. Modifies the strong element.
text_font_url	Body Text Font URL(s). Defaults to xaringantheme_font_default("text_font_url"). Modifies the @import url() elements.
text_font_family_fallback	Body Text Font Fallbacks. Defaults to xaringantheme_font_default("text_font_family_fallback"). Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-font-family-fallback) in any argument of a style function or in custom CSS.
text_font_base	Body Text Base Font (Total Failure Fallback). Defaults to sans-serif. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-font-base) in any argument of a style function or in custom CSS.
header_font_google	Use google_font() to specify header font. Defaults to NULL. Modifies the body element.
header_font_family	Header Font Family (xaringan default is 'Yanone Kaffeesatz'). Defaults to xaringantheme_font_default("header_font_family"). Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-font-family) in any argument of a style function or in custom CSS.
header_font_weight	Header Font Weight. Defaults to xaringantheme_font_default("header_font_weight"). Modifies the h1, h2, h3 elements. Accepts CSS <b>font-weight</b> property values.
header_font_family_fallback	Header Font Family Fallback. Defaults to Georgia, serif. Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-font-family-fallback) in any argument of a style function or in custom CSS.
header_font_url	Header Font URL. Defaults to xaringantheme_font_default("header_font_url"). Modifies the @import url elements.
code_font_google	Use google_font() to specify code font. Defaults to NULL. Modifies the body element.
code_font_family	Code Font Family. Defaults to xaringantheme_font_default("code_font_family"). Modifies the .remark-code, .remark-inline-code classes. The value of this variable is also stored as a CSS variable that can be referenced with var(--code-font-family) in any argument of a style function or in custom CSS.
code_font_size	Code Text Font Size. Defaults to 0.9rem. Modifies the .remark-inline class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--code-font-size) in any argument of a style function or in custom CSS.
code_font_url	Code Font URL. Defaults to xaringantheme_font_default("code_font_url"). Modifies the @import url elements.

code_font_family_fallback	Code Font Fallback. Defaults to <code>xaringantheme_font_default("code_font_family_fallback")</code> . Modifies the <code>.remark-code</code> , <code>.remark-inline-code</code> classes.
link_decoration	Text decoration of links. Defaults to none. Modifies the <code>a</code> , <code>a &gt;</code> code elements. Accepts CSS <code>text-decoration</code> property values.
colors	A named vector of custom colors. The names of the colors become CSS variables and classes that can be used within your slides. For example, <code>colors = c(blue = "#bad4ed")</code> adds a CSS variable <code>--blue</code> , a <code>.blue</code> CSS class that applies the color to the text or foreground color, and a <code>.bg-blue</code> CSS class that applies the color to the background.
extra_css	A named list of CSS definitions each containing a named list of CSS property-value pairs, i.e. <code>list(".class-id" = list("css-property" = "value"))</code> .
extra_fonts	A list of additional fonts to import, each list element can be either a URL as a character string or a call to <code>google_font()</code> . To use a font imported in <code>extra_fonts</code> , you will need to write custom CSS rules that apply the font to an element or class with the <code>font-family</code> property. See the <b>Fonts</b> section of <code>vignette("xaringantheme")</code> for an example.
outfile	Customized xaringan CSS output file name, default is "xaringan-themer.css"

### Value

The CSS styles are written to the file path provided in `outfile` (by default to `xaringan-themer.css`). If `outfile` is `NULL`, the CSS is returned directly as a character string.

### Usage

To use the styles created by this theme function, make sure that you use `xaringan-themer.css` as your CSS file in your slides' YAML header. If you change the name of the output file using the `outfile` argument, use that name instead of the default file name.

```
output:
xaringan::moon_reader:
  css: xaringan-themer.css
```

### See Also

Other themes: [style\\_duo\(\)](#), [style\\_duo\\_accent\(\)](#), [style\\_duo\\_accent\\_inverse\(\)](#), [style\\_mono\\_accent\(\)](#), [style\\_mono\\_accent\\_inverse\(\)](#), [style\\_mono\\_dark\(\)](#), [style\\_solarized\\_dark\(\)](#), [style\\_solarized\\_light\(\)](#), [xaringantheme\\_font\\_default\(\)](#)

Other Monotone themes: [style\\_mono\\_accent\(\)](#), [style\\_mono\\_accent\\_inverse\(\)](#), [style\\_mono\\_dark\(\)](#)

### Examples

```
# Create a xaringan style in a temporary file
xaringan_themer_css <- tempfile("xaringan-themer-", fileext = ".css")

style_mono_light(
```

```
base_color = "#23395b",
outfile = xaringan_themer_css # omit in your slides to write the
                                # styles to xaringan-themer.css
)

# View the CSS:
# file.edit(xaringan_themer_css)
```

---

style\_solarized\_dark    *Solarized Dark Theme*

---

## Description

A dark theme based around on the solarized color scheme. Works well with "highlightStyle: solarized-dark" or "highlightStyle: solarized-light".

## Usage

```
style_solarized_dark(
  text_color = "#839496",
  header_color = "#dc322f",
  background_color = "#002b36",
  link_color = "#b58900",
  text_bold_color = "#d33682",
  text_slide_number_color = "#586e75",
  padding = "16px 64px 16px 64px",
  background_image = NULL,
  background_size = NULL,
  background_position = NULL,
  code_highlight_color = "#268bd240",
  code_inline_color = "#6c71c4",
  code_inline_background_color = NULL,
  code_inline_font_size = "1em",
  inverse_background_color = "#fdf6e3",
  inverse_text_color = "#002b36",
  inverse_text_shadow = FALSE,
  inverse_header_color = inverse_text_color,
  inverse_link_color = link_color,
  title_slide_text_color = inverse_text_color,
  title_slide_background_color = inverse_background_color,
  title_slide_background_image = NULL,
  title_slide_background_size = NULL,
  title_slide_background_position = NULL,
  footnote_color = NULL,
  footnote_font_size = "0.9em",
  footnote_position_bottom = "60px",
  left_column_subtle_color = "#586e75",
```

```

left_column_selected_color = "#93a1a1",
blockquote_left_border_color = "#cb4b16",
table_border_color = "#657b83",
table_row_border_color = "#657b83",
table_row_even_background_color = "#073642",
base_font_size = "20px",
text_font_size = "1rem",
header_h1_font_size = "2.75rem",
header_h2_font_size = "2.25rem",
header_h3_font_size = "1.75rem",
header_background_auto = FALSE,
header_background_color = header_color,
header_background_text_color = background_color,
header_background_padding = NULL,
header_background_content_padding_top = "7rem",
header_background_ignore_classes = c("normal", "inverse", "title", "middle", "bottom"),
text_slide_number_font_size = "0.9rem",
text_font_google = NULL,
text_font_family = xaringantheme_font_default("text_font_family"),
text_font_weight = xaringantheme_font_default("text_font_weight"),
text_bold_font_weight = "bold",
text_font_url = xaringantheme_font_default("text_font_url"),
text_font_family_fallback = xaringantheme_font_default("text_font_family_fallback"),
text_font_base = "sans-serif",
header_font_google = NULL,
header_font_family = xaringantheme_font_default("header_font_family"),
header_font_weight = xaringantheme_font_default("header_font_weight"),
header_font_family_fallback = "Georgia, serif",
header_font_url = xaringantheme_font_default("header_font_url"),
code_font_google = NULL,
code_font_family = xaringantheme_font_default("code_font_family"),
code_font_size = "0.9rem",
code_font_url = xaringantheme_font_default("code_font_url"),
code_font_family_fallback = xaringantheme_font_default("code_font_family_fallback"),
link_decoration = "none",
colors = NULL,
extra_css = NULL,
extra_fonts = NULL,
outfile = "xaringan-themer.css"
)

```

## Arguments

text_color	Text Color. Defaults to #839496. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text_color)</code> in any argument of a style function or in custom CSS.
header_color	Header Color. Defaults to #dc322f. Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with

	var(--header-color) in any argument of a style function or in custom CSS.
background_color	Slide Background Color. Defaults to #002b36. Modifies the .remark-slide-content class. The value of this variable is also stored as a CSS variable that can be referenced with var(--background-color) in any argument of a style function or in custom CSS.
link_color	Link Color. Defaults to #b58900. Modifies the a, a > code elements. The value of this variable is also stored as a CSS variable that can be referenced with var(--link-color) in any argument of a style function or in custom CSS.
text_bold_color	Bold Text Color. Defaults to #d33682. Modifies the strong element. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-bold-color) in any argument of a style function or in custom CSS.
text_slide_number_color	Slide Number Color. Defaults to #586e75. Modifies the .remark-slide-number class.
padding	Slide Padding in top right [bottom left] format. Defaults to 16px 64px 16px 64px. Modifies the .remark-slide-content class. Accepts CSS padding property values.
background_image	Background image applied to each <i>and every</i> slide. Set title_slide_background_image = "none" to remove the background image from the title slide. Defaults to NULL. Modifies the .remark-slide-content class.
background_size	Background image size, requires background_image to be set. If background_image is set, background_size will default to cover so the background fills the screen. If both background_image and background_position are set, will default to 100 percent. Defaults to NULL. Modifies the .remark-slide-content class. Accepts CSS background-size property values.
background_position	Background image position, requires background_image to be set, and it is recommended to adjust background_size. Defaults to NULL. Modifies the .remark-slide-content class. Accepts CSS background-position property values.
code_highlight_color	Code Line Highlight. Defaults to #268bd240. Modifies the .remark-code-line-highlighted class. The value of this variable is also stored as a CSS variable that can be referenced with var(--code-highlight-color) in any argument of a style function or in custom CSS.
code_inline_color	Inline Code Color. Defaults to #6c71c4. Modifies the .remark-inline-code class.
code_inline_background_color	Inline Code Background Color. Defaults to NULL. Modifies the .remark-inline-code class.
code_inline_font_size	Inline Code Text Font Size. Defaults to 1em. Modifies the .remark-inline-code class. Accepts CSS font-size property values. The value of this variable is also

stored as a CSS variable that can be referenced with `var(--code-inline-font-size)` in any argument of a style function or in custom CSS.

`inverse_background_color`

Inverse Background Color. Defaults to `#fdf6e3`. Modifies the `.inverse` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-background-color)` in any argument of a style function or in custom CSS.

`inverse_text_color`

Inverse Text Color. Defaults to `#002b36`. Modifies the `.inverse` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-text-color)` in any argument of a style function or in custom CSS.

`inverse_text_shadow`

Enables Shadow on text of inverse slides. Defaults to `FALSE`. Modifies the `.inverse` class.

`inverse_header_color`

Inverse Header Color. Defaults to `inverse_text_color`. Modifies the `.inverse h1`, `.inverse h2`, `.inverse h3` classes. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-header-color)` in any argument of a style function or in custom CSS.

`inverse_link_color`

Inverse Link Color. Defaults to `link_color`. Modifies the `.inverse a`, `.inverse a > code` classes. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-link-color)` in any argument of a style function or in custom CSS.

`title_slide_text_color`

Title Slide Text Color. Defaults to `inverse_text_color`. Modifies the `.title-slide` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--title-slide-text-color)` in any argument of a style function or in custom CSS.

`title_slide_background_color`

Title Slide Background Color. Defaults to `inverse_background_color`. Modifies the `.title-slide` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--title-slide-background-color)` in any argument of a style function or in custom CSS.

`title_slide_background_image`

Title Slide Background Image URL. Defaults to `NULL`. Modifies the `.title-slide` class.

`title_slide_background_size`

Title Slide Background Image Size, defaults to `"cover"` if background image is set. Defaults to `NULL`. Modifies the `.title-slide` class. Accepts CSS `background-size` property values.

`title_slide_background_position`

Title Slide Background Image Position. Defaults to `NULL`. Modifies the `.title-slide` class. Accepts CSS `background-position` property values.

`footnote_color`

Footnote text color (if NA, then it will be the same color as `text_color`). Defaults to `NULL`. Modifies the `.footnote` class.

footnote_font_size	Footnote font size. Defaults to 0.9em. Modifies the <code>.footnote</code> class. Accepts CSS <b>font-size</b> property values.
footnote_position_bottom	Footnote location from bottom of screen. Defaults to 60px. Modifies the <code>.footnote</code> class. Accepts CSS <b>position</b> property values.
left_column_subtle_color	Left Column Text (not last). Defaults to #586e75. Modifies the <code>.left-column h2</code> , <code>.left-column h3</code> classes.
left_column_selected_color	Left Column Current Selection. Defaults to #93a1a1. Modifies the <code>.left-column h2:last-of-type</code> , <code>.left-column h3:last-of-type</code> classes.
blockquote_left_border_color	Blockquote Left Border Color. Defaults to #cb4b16. Modifies the blockquote element.
table_border_color	Table top/bottom border. Defaults to #657b83. Modifies the <code>table: border-top</code> , <code>border-bottom</code> elements.
table_row_border_color	Table row inner bottom border. Defaults to #657b83. Modifies the <code>table thead th: border-bottom</code> elements.
table_row_even_background_color	Table Even Row Background Color. Defaults to #073642. Modifies the <code>thead</code> , <code>tfoot</code> , <code>tr:nth-child(even)</code> elements.
base_font_size	Base Font Size for All Slide Elements (must be px). Defaults to 20px. Modifies the <code>html</code> element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--base-font-size)</code> in any argument of a style function or in custom CSS.
text_font_size	Slide Body Text Font Size. Defaults to 1rem. Modifies the <code>.remark-slide-content</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-font-size)</code> in any argument of a style function or in custom CSS.
header_h1_font_size	h1 Header Text Font Size. Defaults to 2.75rem. Modifies the <code>.remark-slide-content h1</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-h1-font-size)</code> in any argument of a style function or in custom CSS.
header_h2_font_size	h2 Header Text Font Size. Defaults to 2.25rem. Modifies the <code>.remark-slide-content h2</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-h2-font-size)</code> in any argument of a style function or in custom CSS.
header_h3_font_size	h3 Header Text Font Size. Defaults to 1.75rem. Modifies the <code>.remark-slide-content h3</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-h3-font-size)</code> in any argument of a style function or in custom CSS.

header\_background\_auto

Add background under slide title automatically for h1 header elements. If not enabled, use class: header\_background to enable. Defaults to FALSE.

header\_background\_color

Background Color for h1 Header with Background. Defaults to header\_color. Modifies the .remark-slide-content h1 class. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-background-color) in any argument of a style function or in custom CSS.

header\_background\_text\_color

Text Color for h1 Header with Background. Defaults to background\_color. Modifies the .remark-slide-content h1 class. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-background-text-color) in any argument of a style function or in custom CSS.

header\_background\_padding

Padding for h1 Header with Background. Defaults to NULL. Modifies the .remark-slide-content h1 class. Accepts CSS padding property values.

header\_background\_content\_padding\_top

Top Padding for Content in Slide with Header with Background. Defaults to 7rem. Modifies the .remark-slide-content class.

header\_background\_ignore\_classes

Slide Classes Where Header with Background will not be Applied. Defaults to c('normal', 'inverse', 'title', 'middle', 'bottom'). Modifies the .remark-slide-content class.

text\_slide\_number\_font\_size

Slide Number Text Font Size. Defaults to 0.9rem. Modifies the .remark-slide-number class. Accepts CSS font-size property values.

text\_font\_google

Use google\_font() to specify body font. Defaults to NULL. Modifies the body element.

text\_font\_family

Body Text Font Family (xaringan default is 'Droid Serif'). Defaults to xaringantheme\_font\_default. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-font-family) in any argument of a style function or in custom CSS.

text\_font\_weight

Body Text Font Weight. Defaults to xaringantheme\_font\_default("text\_font\_weight"). Modifies the body element. Accepts CSS font-weight property values.

text\_bold\_font\_weight

Body Bold Text Font Weight. Defaults to bold. Modifies the strong element.

text\_font\_url

Body Text Font URL(s). Defaults to xaringantheme\_font\_default("text\_font\_url"). Modifies the @import url() elements.

text\_font\_family\_fallback

Body Text Font Fallbacks. Defaults to xaringantheme\_font\_default("text\_font\_family\_fallback"). Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-font-family-fallback) in any argument of a style function or in custom CSS.



text_font_base	Body Text Base Font (Total Failure Fallback). Defaults to sans-serif. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-font-base)</code> in any argument of a style function or in custom CSS.
header_font_google	Use <code>google_font()</code> to specify header font. Defaults to NULL. Modifies the body element.
header_font_family	Header Font Family (xaringan default is 'Yanone Kaffeesatz'). Defaults to <code>xaringanthemer_font_default("header_font_family")</code> . Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-font-family)</code> in any argument of a style function or in custom CSS.
header_font_weight	Header Font Weight. Defaults to <code>xaringanthemer_font_default("header_font_weight")</code> . Modifies the h1, h2, h3 elements. Accepts CSS <b>font-weight</b> property values.
header_font_family_fallback	Header Font Family Fallback. Defaults to Georgia, serif. Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-font-family-fallback)</code> in any argument of a style function or in custom CSS.
header_font_url	Header Font URL. Defaults to <code>xaringanthemer_font_default("header_font_url")</code> . Modifies the <code>@import url</code> elements.
code_font_google	Use <code>google_font()</code> to specify code font. Defaults to NULL. Modifies the body element.
code_font_family	Code Font Family. Defaults to <code>xaringanthemer_font_default("code_font_family")</code> . Modifies the <code>.remark-code</code> , <code>.remark-inline-code</code> classes. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-font-family)</code> in any argument of a style function or in custom CSS.
code_font_size	Code Text Font Size. Defaults to 0.9rem. Modifies the <code>.remark-inline</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-font-size)</code> in any argument of a style function or in custom CSS.
code_font_url	Code Font URL. Defaults to <code>xaringanthemer_font_default("code_font_url")</code> . Modifies the <code>@import url</code> elements.
code_font_family_fallback	Code Font Fallback. Defaults to <code>xaringanthemer_font_default("code_font_family_fallback")</code> . Modifies the <code>.remark-code</code> , <code>.remark-inline-code</code> classes.
link_decoration	Text decoration of links. Defaults to none. Modifies the <code>a</code> , <code>a &gt;</code> code elements. Accepts CSS <b>text-decoration</b> property values.
colors	A named vector of custom colors. The names of the colors become CSS variables and classes that can be used within your slides. For example, <code>colors =</code>

	<code>c(blue = "#bad4ed")</code> adds a CSS variable <code>--blue</code> , a <code>.blue</code> CSS class that applies the color to the text or foreground color, and a <code>.bg-blue</code> CSS class that applies the color to the background.
<code>extra_css</code>	A named list of CSS definitions each containing a named list of CSS property-value pairs, i.e. <code>list(".class-id" = list("css-property" = "value"))</code> .
<code>extra_fonts</code>	A list of additional fonts to import, each list element can be either a URL as a character string or a call to <code>google_font()</code> . To use a font imported in <code>extra_fonts</code> , you will need to write custom CSS rules that apply the font to an element or class with the <code>font-family</code> property. See the <b>Fonts</b> section of <code>vignette("xaringan-themer")</code> for an example.
<code>outfile</code>	Customized xaringan CSS output file name, default is "xaringan-themer.css"

### Value

The CSS styles are written to the file path provided in `outfile` (by default to `xaringan-themer.css`). If `outfile` is `NULL`, the CSS is returned directly as a character string.

### Usage

To use the styles created by this theme function, make sure that you use `xaringan-themer.css` as your CSS file in your slides' YAML header. If you change the name of the output file using the `outfile` argument, use that name instead of the default file name.

```
output:
xaringan::moon_reader:
  css: xaringan-themer.css
```

### References

<https://ethanschoonover.com/solarized/>

### See Also

Other themes: `style_duo()`, `style_duo_accent()`, `style_duo_accent_inverse()`, `style_mono_accent()`, `style_mono_accent_inverse()`, `style_mono_dark()`, `style_mono_light()`, `style_solarized_light()`, `xaringan-themer_font_default()`

Other Solarized themes: `style_solarized_light()`

### Examples

```
# Create a xaringan style in a temporary file
xaringan_themer_css <- tempfile("xaringan-themer-", fileext = ".css")

style_solarized_dark(
  outfile = xaringan_themer_css # omit in your slides to write the
                                # styles to xaringan-themer.css
)

# View the CSS:
# file.edit(xaringan_themer_css)
```

---

style\_solarized\_light *Solarized Light Theme*

---

### Description

A light theme based around on the solarized color scheme. Works well with "highlightStyle: solarized-dark" or "highlightStyle: solarized-light".

### Usage

```
style_solarized_light(  
  text_color = "#657b83",  
  header_color = "#dc322f",  
  background_color = "#fdf6e3",  
  link_color = "#b58900",  
  text_bold_color = "#d33682",  
  text_slide_number_color = "#93a1a1",  
  padding = "16px 64px 16px 64px",  
  background_image = NULL,  
  background_size = NULL,  
  background_position = NULL,  
  code_highlight_color = "#268bd240",  
  code_inline_color = "#6c71c4",  
  code_inline_background_color = NULL,  
  code_inline_font_size = "1em",  
  inverse_background_color = "#002b36",  
  inverse_text_color = "#fdf6e3",  
  inverse_text_shadow = FALSE,  
  inverse_header_color = inverse_text_color,  
  inverse_link_color = link_color,  
  title_slide_text_color = inverse_text_color,  
  title_slide_background_color = inverse_background_color,  
  title_slide_background_image = NULL,  
  title_slide_background_size = NULL,  
  title_slide_background_position = NULL,  
  footnote_color = NULL,  
  footnote_font_size = "0.9em",  
  footnote_position_bottom = "60px",  
  left_column_subtle_color = "#93a1a1",  
  left_column_selected_color = "#586e75",  
  blockquote_left_border_color = "#cb4b16",  
  table_border_color = "#839496",  
  table_row_border_color = "#839496",  
  table_row_even_background_color = "#eee8d5",  
  base_font_size = "20px",  
  text_font_size = "1rem",  
  header_h1_font_size = "2.75rem",
```

```

header_h2_font_size = "2.25rem",
header_h3_font_size = "1.75rem",
header_background_auto = FALSE,
header_background_color = header_color,
header_background_text_color = background_color,
header_background_padding = NULL,
header_background_content_padding_top = "7rem",
header_background_ignore_classes = c("normal", "inverse", "title", "middle", "bottom"),
text_slide_number_font_size = "0.9rem",
text_font_google = NULL,
text_font_family = xaringantheme_font_default("text_font_family"),
text_font_weight = xaringantheme_font_default("text_font_weight"),
text_bold_font_weight = "bold",
text_font_url = xaringantheme_font_default("text_font_url"),
text_font_family_fallback = xaringantheme_font_default("text_font_family_fallback"),
text_font_base = "sans-serif",
header_font_google = NULL,
header_font_family = xaringantheme_font_default("header_font_family"),
header_font_weight = xaringantheme_font_default("header_font_weight"),
header_font_family_fallback = "Georgia, serif",
header_font_url = xaringantheme_font_default("header_font_url"),
code_font_google = NULL,
code_font_family = xaringantheme_font_default("code_font_family"),
code_font_size = "0.9rem",
code_font_url = xaringantheme_font_default("code_font_url"),
code_font_family_fallback = xaringantheme_font_default("code_font_family_fallback"),
link_decoration = "none",
colors = NULL,
extra_css = NULL,
extra_fonts = NULL,
outfile = "xaringan-theme.css"
)

```

## Arguments

text_color	Text Color. Defaults to #657b83. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text_color)</code> in any argument of a style function or in custom CSS.
header_color	Header Color. Defaults to #dc322f. Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-color)</code> in any argument of a style function or in custom CSS.
background_color	Slide Background Color. Defaults to #fdf6e3. Modifies the <code>.remark-slide-content</code> class. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--background-color)</code> in any argument of a style function or in custom CSS.
link_color	Link Color. Defaults to #b58900. Modifies the <code>a</code> , <code>a &gt;</code> code elements. The value of this variable is also stored as a CSS variable that can be referenced with

	var(--link-color) in any argument of a style function or in custom CSS.
text_bold_color	<b>Bold Text Color.</b> Defaults to #d33682. Modifies the strong element. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-bold-color) in any argument of a style function or in custom CSS.
text_slide_number_color	<b>Slide Number Color.</b> Defaults to #93a1a1. Modifies the .remark-slide-number class.
padding	<b>Slide Padding</b> in top right [bottom left] format. Defaults to 16px 64px 16px 64px. Modifies the .remark-slide-content class. Accepts CSS <b>padding</b> property values.
background_image	<b>Background image</b> applied to each <i>and every</i> slide. Set title_slide_background_image = "none" to remove the background image from the title slide. Defaults to NULL. Modifies the .remark-slide-content class.
background_size	<b>Background image size</b> , requires background_image to be set. If background_image is set, background_size will default to cover so the background fills the screen. If both background_image and background_position are set, will default to 100 percent. Defaults to NULL. Modifies the .remark-slide-content class. Accepts CSS <b>background-size</b> property values.
background_position	<b>Background image position</b> , requires background_image to be set, and it is recommended to adjust background_size. Defaults to NULL. Modifies the .remark-slide-content class. Accepts CSS <b>background-position</b> property values.
code_highlight_color	<b>Code Line Highlight.</b> Defaults to #268bd240. Modifies the .remark-code-line-highlighted class. The value of this variable is also stored as a CSS variable that can be referenced with var(--code-highlight-color) in any argument of a style function or in custom CSS.
code_inline_color	<b>Inline Code Color.</b> Defaults to #6c71c4. Modifies the .remark-inline-code class.
code_inline_background_color	<b>Inline Code Background Color.</b> Defaults to NULL. Modifies the .remark-inline-code class.
code_inline_font_size	<b>Inline Code Text Font Size.</b> Defaults to 1em. Modifies the .remark-inline-code class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--code-inline-font-size) in any argument of a style function or in custom CSS.
inverse_background_color	<b>Inverse Background Color.</b> Defaults to #002b36. Modifies the .inverse class. The value of this variable is also stored as a CSS variable that can be referenced with var(--inverse-background-color) in any argument of a style function or in custom CSS.

`inverse_text_color`

Inverse Text Color. Defaults to #fdf6e3. Modifies the `.inverse` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-text-color)` in any argument of a style function or in custom CSS.

`inverse_text_shadow`

Enables Shadow on text of inverse slides. Defaults to FALSE. Modifies the `.inverse` class.

`inverse_header_color`

Inverse Header Color. Defaults to `inverse_text_color`. Modifies the `.inverse h1`, `.inverse h2`, `.inverse h3` classes. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-header-color)` in any argument of a style function or in custom CSS.

`inverse_link_color`

Inverse Link Color. Defaults to `link_color`. Modifies the `.inverse a`, `.inverse a >` code classes. The value of this variable is also stored as a CSS variable that can be referenced with `var(--inverse-link-color)` in any argument of a style function or in custom CSS.

`title_slide_text_color`

Title Slide Text Color. Defaults to `inverse_text_color`. Modifies the `.title-slide` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--title-slide-text-color)` in any argument of a style function or in custom CSS.

`title_slide_background_color`

Title Slide Background Color. Defaults to `inverse_background_color`. Modifies the `.title-slide` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--title-slide-background-color)` in any argument of a style function or in custom CSS.

`title_slide_background_image`

Title Slide Background Image URL. Defaults to NULL. Modifies the `.title-slide` class.

`title_slide_background_size`

Title Slide Background Image Size, defaults to "cover" if background image is set. Defaults to NULL. Modifies the `.title-slide` class. Accepts CSS `background-size` property values.

`title_slide_background_position`

Title Slide Background Image Position. Defaults to NULL. Modifies the `.title-slide` class. Accepts CSS `background-position` property values.

`footnote_color` Footnote text color (if NA, then it will be the same color as `text_color`). Defaults to NULL. Modifies the `.footnote` class.

`footnote_font_size`

Footnote font size. Defaults to 0.9em. Modifies the `.footnote` class. Accepts CSS `font-size` property values.

`footnote_position_bottom`

Footnote location from bottom of screen. Defaults to 60px. Modifies the `.footnote` class. Accepts CSS `position` property values.

`left_column_subtle_color`

Left Column Text (not last). Defaults to #93a1a1. Modifies the `.left-column h2`, `.left-column h3` classes.

left_column_selected_color	Left Column Current Selection. Defaults to #586e75. Modifies the .left-column h2:last-of-type, .left-column h3:last-of-type, .left-column h4:last-of-type, .left-column h5:last-of-type, .left-column h6:last-of-type, .left-column h2:last-of-type, .left-column h3:last-of-type, .left-column h4:last-of-type, .left-column h5:last-of-type, .left-column h6:last-of-type classes.
blockquote_left_border_color	Blockquote Left Border Color. Defaults to #cb4b16. Modifies the blockquote element.
table_border_color	Table top/bottom border. Defaults to #839496. Modifies the table: border-top, border-bottom elements.
table_row_border_color	Table row inner bottom border. Defaults to #839496. Modifies the table <thead>th: border-bottom elements.</thead>
table_row_even_background_color	Table Even Row Background Color. Defaults to #eee8d5. Modifies the <thead>,tfoot&gt;,tr:nth-child(even) elements.</thead>
base_font_size	Base Font Size for All Slide Elements (must be px). Defaults to 20px. Modifies the html element. The value of this variable is also stored as a CSS variable that can be referenced with var(--base-font-size) in any argument of a style function or in custom CSS.
text_font_size	Slide Body Text Font Size. Defaults to 1rem. Modifies the .remark-slide-content class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-font-size) in any argument of a style function or in custom CSS.
header_h1_font_size	h1 Header Text Font Size. Defaults to 2.75rem. Modifies the .remark-slide-content h1 class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-h1-font-size) in any argument of a style function or in custom CSS.
header_h2_font_size	h2 Header Text Font Size. Defaults to 2.25rem. Modifies the .remark-slide-content h2 class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-h2-font-size) in any argument of a style function or in custom CSS.
header_h3_font_size	h3 Header Text Font Size. Defaults to 1.75rem. Modifies the .remark-slide-content h3 class. Accepts CSS font-size property values. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-h3-font-size) in any argument of a style function or in custom CSS.
header_background_auto	Add background under slide title automatically for h1 header elements. If not enabled, use class: header_background to enable. Defaults to FALSE.
header_background_color	Background Color for h1 Header with Background. Defaults to header_color. Modifies the .remark-slide-content h1 class. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-background-color) in any argument of a style function or in custom CSS.

header_background_text_color	Text Color for h1 Header with Background. Defaults to background_color. Modifies the .remark-slide-content h1 class. The value of this variable is also stored as a CSS variable that can be referenced with var(--header-background-text-color) in any argument of a style function or in custom CSS.
header_background_padding	Padding for h1 Header with Background. Defaults to NULL. Modifies the .remark-slide-content h1 class. Accepts CSS padding property values.
header_background_content_padding_top	Top Padding for Content in Slide with Header with Background. Defaults to 7rem. Modifies the .remark-slide-content class.
header_background_ignore_classes	Slide Classes Where Header with Background will not be Applied. Defaults to c('normal', 'inverse', 'title', 'middle', 'bottom'). Modifies the .remark-slide-content class.
text_slide_number_font_size	Slide Number Text Font Size. Defaults to 0.9rem. Modifies the .remark-slide-number class. Accepts CSS font-size property values.
text_font_google	Use google_font() to specify body font. Defaults to NULL. Modifies the body element.
text_font_family	Body Text Font Family (xaringan default is 'Droid Serif'). Defaults to xaringantheme_font_default. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-font-family) in any argument of a style function or in custom CSS.
text_font_weight	Body Text Font Weight. Defaults to xaringantheme_font_default("text_font_weight"). Modifies the body element. Accepts CSS font-weight property values.
text_bold_font_weight	Body Bold Text Font Weight. Defaults to bold. Modifies the strong element.
text_font_url	Body Text Font URL(s). Defaults to xaringantheme_font_default("text_font_url"). Modifies the @import url() elements.
text_font_family_fallback	Body Text Font Fallbacks. Defaults to xaringantheme_font_default("text_font_family_fallback"). Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-font-family-fallback) in any argument of a style function or in custom CSS.
text_font_base	Body Text Base Font (Total Failure Fallback). Defaults to sans-serif. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with var(--text-font-base) in any argument of a style function or in custom CSS.
header_font_google	Use google_font() to specify header font. Defaults to NULL. Modifies the body element.



header_font_family	Header Font Family (xaringan default is 'Yanone Kaffeesatz'). Defaults to <code>xaringantheme_font_default("header_font_family")</code> . Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-font-family)</code> in any argument of a style function or in custom CSS.
header_font_weight	Header Font Weight. Defaults to <code>xaringantheme_font_default("header_font_weight")</code> . Modifies the h1, h2, h3 elements. Accepts CSS <b>font-weight</b> property values.
header_font_family_fallback	Header Font Family Fallback. Defaults to Georgia, serif. Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-font-family-fallback)</code> in any argument of a style function or in custom CSS.
header_font_url	Header Font URL. Defaults to <code>xaringantheme_font_default("header_font_url")</code> . Modifies the <code>@import url</code> elements.
code_font_google	Use <code>google_font()</code> to specify code font. Defaults to NULL. Modifies the body element.
code_font_family	Code Font Family. Defaults to <code>xaringantheme_font_default("code_font_family")</code> . Modifies the <code>.remark-code</code> , <code>.remark-inline-code</code> classes. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-font-family)</code> in any argument of a style function or in custom CSS.
code_font_size	Code Text Font Size. Defaults to 0.9rem. Modifies the <code>.remark-inline</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-font-size)</code> in any argument of a style function or in custom CSS.
code_font_url	Code Font URL. Defaults to <code>xaringantheme_font_default("code_font_url")</code> . Modifies the <code>@import url</code> elements.
code_font_family_fallback	Code Font Fallback. Defaults to <code>xaringantheme_font_default("code_font_family_fallback")</code> . Modifies the <code>.remark-code</code> , <code>.remark-inline-code</code> classes.
link_decoration	Text decoration of links. Defaults to none. Modifies the <code>a</code> , <code>a &gt; code</code> elements. Accepts CSS <b>text-decoration</b> property values.
colors	A named vector of custom colors. The names of the colors become CSS variables and classes that can be used within your slides. For example, <code>colors = c(blue = "#bad4ed")</code> adds a CSS variable <code>--blue</code> , a <code>.blue</code> CSS class that applies the color to the text or foreground color, and a <code>.bg-blue</code> CSS class that applies the color to the background.
extra_css	A named list of CSS definitions each containing a named list of CSS property-value pairs, i.e. <code>list(".class-id" = list("css-property" = "value"))</code> .
extra_fonts	A list of additional fonts to import, each list element can be either a URL as a character string or a call to <code>google_font()</code> . To use a font imported in

extra\_fonts, you will need to write custom CSS rules that apply the font to an element or class with the font-family property. See the **Fonts** section of vignette("xaringantheme") for an example.

outfile Customized xaringan CSS output file name, default is "xaringan-themer.css"

### Value

The CSS styles are written to the file path provided in outfile (by default to xaringan-themer.css). If outfile is NULL, the CSS is returned directly as a character string.

### Usage

To use the styles created by this theme function, make sure that you use xaringan-themer.css as your CSS file in your slides' YAML header. If you change the name of the output file using the outfile argument, use that name instead of the default file name.

```
output:
xaringan::moon_reader:
  css: xaringan-themer.css
```

### References

<https://ethanschoonover.com/solarized/>

### See Also

Other themes: [style\\_duo\(\)](#), [style\\_duo\\_accent\(\)](#), [style\\_duo\\_accent\\_inverse\(\)](#), [style\\_mono\\_accent\(\)](#), [style\\_mono\\_accent\\_inverse\(\)](#), [style\\_mono\\_dark\(\)](#), [style\\_mono\\_light\(\)](#), [style\\_solarized\\_dark\(\)](#), [xaringantheme\\_font\\_default\(\)](#)

Other Solarized themes: [style\\_solarized\\_dark\(\)](#)

### Examples

```
# Create a xaringan style in a temporary file
xaringan_themer_css <- tempfile("xaringan-themer-", fileext = ".css")

style_solarized_light(
  outfile = xaringan_themer_css # omit in your slides to write the
                                # styles to xaringan-themer.css
)

# View the CSS:
# file.edit(xaringan_themer_css)
```

---

 theme\_xaringan

*A Plot Theme for ggplot2 by xaringantheimer*


---

## Description

### [Maturing]

Creates **ggplot2** themes to match the xaringantheimer theme used in the **xaringan** slides that seamlessly matches the "normal" slide colors and styles. See `vignette("ggplot2-themes")` for more information and examples.

## Usage

```
theme_xaringan(
  text_color = NULL,
  background_color = NULL,
  accent_color = NULL,
  accent_secondary_color = NULL,
  css_file = NULL,
  set_ggplot_defaults = TRUE,
  text_font = NULL,
  text_font_use_google = NULL,
  text_font_size = NULL,
  title_font = NULL,
  title_font_use_google = NULL,
  title_font_size = NULL,
  use_showtext = NULL
)
```

## Arguments

text_color	Color for text and foreground, inherits from text_color
background_color	Color for background, inherits from background_color
accent_color	Color for titles and accents, inherits from header_color
accent_secondary_color	Color for secondary accents, inherits from text_bold_color
css_file	Path to a <b>xaringantheimer</b> CSS file, from which the theme variables and values will be inferred. In general, if you use the <b>xaringantheimer</b> defaults, you will not need to set this. This feature lets you create a <b>ggplot2</b> theme for your <b>xaringan</b> slides, even if you have only saved your theme CSS file and you aren't creating your CSS theme with <b>xaringantheimer</b> in your slides' source file.
set_ggplot_defaults	Should defaults be set for <b>ggplot2</b> <i>geoms</i> ? Defaults to TRUE. To restore ggplot's defaults, or the previously set geom defaults, see <a href="#">theme_xaringan_restore_defaults()</a> .

text_font	Font to use for text elements, passed to <code>sysfonts::font_add_google()</code> , if available and <code>text_font_use_google</code> is TRUE. Inherits from <code>text_font_family</code> . If manually specified, can be a <code>google_font()</code> .
text_font_use_google	Is <code>text_font</code> available on <a href="#">Google Fonts</a> ?
text_font_size	Base text font size, inherits from <code>text_font_size</code> , or defaults to 11.
title_font	Font to use for title elements, passed to <code>sysfonts::font_add_google()</code> , if available and <code>title_font_use_google</code> is TRUE. Inherits from <code>title_font_family</code> . If manually specified, can be a <code>google_font()</code> .
title_font_use_google	Is <code>title_font</code> available on <a href="#">Google Fonts</a> ?
title_font_size	Base text font size, inherits from <code>title_font_size</code> , or defaults to 14.
use_showtext	If TRUE the <b>showtext</b> package will be used to register Google fonts. Set to FALSE to disable this feature entirely, which may result in errors during plotting if the fonts used are not available locally. The default is TRUE when the <b>showtext</b> package is installed.

**Value**

A ggplot2 theme

**See Also**

Other xaringantheme ggplot2 themes: [theme\\_xaringan\\_base\(\)](#), [theme\\_xaringan\\_inverse\(\)](#), [theme\\_xaringan\\_set\\_defaults\(\)](#)

**Examples**

```
# Requires ggplot2
has_ggplot2 <- requireNamespace("ggplot2", quietly = TRUE)

if (has_ggplot2) {
  # Because this is an example, we'll save the CSS to a temp file
  path_to_css_file <- tempfile(fileext = ".css")

  # Create the xaringan theme: dark blue background with teal green accents
  style_duo(
    primary_color = "#002b36",
    secondary_color = "#31b09e",
    # Using basic fonts for this example, but the plot theme will
    # automatically use your theme font if you use Google fonts
    text_font_family = "sans",
    header_font_family = "serif",
    outfile = path_to_css_file
  )

  library(ggplot2)
  ggplot(mpg) +
```

```

aes(cty, hwy) +
geom_point() +
ggtitle("Fuel Efficiency of Various Cars") +
theme_xaringan()
}

```

---

theme\_xaringan\_base    *The ggplot2 xaringantheme base plot theme*

---

## Description

### [Maturing]

Provides a base plot theme for **ggplot2** to match the **xaringan** slide theme created by [xaringantheme](#). The theme is designed to create a general plot style from two colors, a `background_color` and a `text_color` (or foreground color). Also accepts an `accent_color` and an `accent_secondary_color` that are [xaringantheme](#) is not required for the base theme. Use `theme_xaringan()` or `theme_xaringan_inverse()` in [xaringan](#) slides styled by [xaringantheme](#) for a plot theme that matches the slide style. See `vignette("ggplot2-themes")` for more information and examples.

## Usage

```

theme_xaringan_base(
  text_color,
  background_color,
  ...,
  set_ggplot_defaults = TRUE,
  accent_color = NULL,
  accent_secondary_color = NULL,
  text_font = NULL,
  text_font_use_google = NULL,
  text_font_size = NULL,
  title_font = NULL,
  title_font_use_google = NULL,
  title_font_size = NULL,
  use_showtext = NULL
)

```

## Arguments

<code>text_color</code>	Color for text and foreground
<code>background_color</code>	Color for background
<code>...</code>	Ignored
<code>set_ggplot_defaults</code>	Should defaults be set for <b>ggplot2</b> <i>geoms</i> ? Defaults to TRUE. To restore ggplot's defaults, or the previously set geom defaults, see <code>theme_xaringan_restore_defaults()</code> .

accent_color	Color for titles and accents, inherits from header_color or text_color. Used for the title base setting in <code>ggplot2::theme()</code> , and additionally for setting the color or fill of <b>ggplot2</b> geom defaults.
accent_secondary_color	Color for secondary accents, inherits from text_bold_color or accent_color. Used only when setting <b>ggplot2</b> geom defaults.
text_font	Font to use for text elements, passed to <code>sysfonts::font_add_google()</code> , if available and <code>text_font_use_google</code> is TRUE. Inherits from <code>text_font_family</code> . If manually specified, can be a <code>google_font()</code> .
text_font_use_google	Is <code>text_font</code> available on <b>Google Fonts</b> ?
text_font_size	Base text font size, inherits from <code>text_font_size</code> , or defaults to 11.
title_font	Font to use for title elements, passed to <code>sysfonts::font_add_google()</code> , if available and <code>title_font_use_google</code> is TRUE. Inherits from <code>title_font_family</code> . If manually specified, can be a <code>google_font()</code> .
title_font_use_google	Is <code>title_font</code> available on <b>Google Fonts</b> ?
title_font_size	Base text font size, inherits from <code>title_font_size</code> , or defaults to 14.
use_showtext	If TRUE the <b>showtext</b> package will be used to register Google fonts. Set to FALSE to disable this feature entirely, which may result in errors during plotting if the fonts used are not available locally. The default is TRUE when the <b>showtext</b> package is installed.

**Value**

A `ggplot2` theme

**See Also**

Other xaringanthemers `ggplot2` themes: [theme\\_xaringan\(\)](#), [theme\\_xaringan\\_inverse\(\)](#), [theme\\_xaringan\\_set\\_default](#)

**Examples**

```
# Requires ggplot2
has_ggplot2 <- requireNamespace("ggplot2", quietly = TRUE)

if (has_ggplot2) {
  library(ggplot2)

  plot1 <- ggplot(mpg) +
    aes(cty, hwy) +
    geom_point() +
    theme_xaringan_base(
      text_color = "#602f6b",      # imperial
      background_color = "#f8f8f8", # light gray
      accent_color = "#317873",    # myrtle green
      title_font = "sans",
```

```

      text_font = "serif",
      set_ggplot_defaults = TRUE
    ) +
    labs(
      title = "Fuel Efficiency of Various Cars",
      subtitle = "+ theme_xaringan_base()",
      caption = "xaringantheme"
    )

print(plot1)

plot2 <- ggplot(mpg) +
  aes(hwy) +
  geom_histogram(binwidth = 2) +
  theme_xaringan_base(
    text_color = "#a8a9c8",      # light purple
    background_color = "#303163", # deep slate purple
    accent_color = "#ffff99",    # canary yellow
    title_font = "sans",
    text_font = "serif",
    set_ggplot_defaults = TRUE
  ) +
  labs(
    title = "Highway Fuel Efficiency",
    subtitle = "+ theme_xaringan_base()",
    caption = "xaringantheme"
  )

print(plot2)
}

```

---

 theme\_xaringan\_get\_value

*Get the Value of xaringantheme Style Setting*

---

### Description

A helper function to retrieve the value of style settings as set by a xaringantheme style function, for use in plotting and other circumstances.

### Usage

```
theme_xaringan_get_value(setting, css_file = NULL)
```

### Arguments

setting            A xaringantheme style setting

`css_file` Path to a **xaringantheme** CSS file, from which the theme variables and values will be inferred. In general, if you use the **xaringantheme** defaults, you will not need to set this. This feature lets you create a **ggplot2** theme for your **xaringan** slides, even if you have only saved your theme CSS file and you aren't creating your CSS theme with **xaringantheme** in your slides' source file.

### Value

The value of the xaringantheme style parameter.

### Style Settings

Style settings used by xaringantheme include:

- `background_color`
- `background_image`
- `background_position`
- `background_size`
- `blockquote_left_border_color`
- `code_font_family`
- `code_font_family_fallback`
- `code_font_google`
- `code_font_is_google`
- `code_font_size`
- `code_font_url`
- `code_highlight_color`
- `code_inline_background_color`
- `code_inline_color`
- `code_inline_font_size`
- `extra_css`
- `extra_fonts`
- `footnote_color`
- `footnote_font_size`
- `footnote_position_bottom`
- `header_background_auto`
- `header_background_color`
- `header_background_content_padding_top`
- `header_background_ignore_classes`
- `header_background_padding`
- `header_background_text_color`
- `header_color`



- header\_font\_family
- header\_font\_google
- header\_font\_is\_google
- header\_font\_url
- header\_font\_weight
- header\_h1\_font\_size
- header\_h2\_font\_size
- header\_h3\_font\_size
- inverse\_background\_color
- inverse\_header\_color
- inverse\_text\_color
- inverse\_text\_shadow
- left\_column\_selected\_color
- left\_column\_subtle\_color
- link\_color
- padding
- table\_border\_color
- table\_row\_border\_color
- table\_row\_even\_background\_color
- text\_bold\_color
- text\_color
- text\_font\_base
- text\_font\_family
- text\_font\_family\_fallback
- text\_font\_google
- text\_font\_is\_google
- text\_font\_size
- text\_font\_url
- text\_font\_weight
- text\_slide\_number\_color
- text\_slide\_number\_font\_size
- title\_slide\_background\_color
- title\_slide\_background\_image
- title\_slide\_background\_position
- title\_slide\_background\_size
- title\_slide\_text\_color

## Examples

```
# Create a xaringantheme style in a temporary file for this example
xaringan_themer_css <- tempfile("xaringan-themer", fileext = ".css")

style_solarized_light(outfile = xaringan_themer_css)

theme_xaringan_get_value("text_color")
theme_xaringan_get_value("background_color")
theme_xaringan_get_value("header_color")
theme_xaringan_get_value("text_bold_color")
```

---

```
theme_xaringan_inverse
```

*An Inverse Plot Theme for ggplot2 by xaringantheme*

---

## Description

### [Maturing]

A **ggplot2** xaringantheme plot theme to seamlessly match the "inverse" **xaringan** slide colors and styles as styled by [xaringantheme](#). See `vignette("ggplot2-themes")` for more information and examples.

## Usage

```
theme_xaringan_inverse(
  text_color = NULL,
  background_color = NULL,
  accent_color = NULL,
  accent_secondary_color = NULL,
  css_file = NULL,
  set_ggplot_defaults = TRUE,
  text_font = NULL,
  text_font_use_google = NULL,
  text_font_size = NULL,
  title_font = NULL,
  title_font_use_google = NULL,
  title_font_size = NULL,
  use_showtext = NULL
)
```

## Arguments

text_color	Color for text and foreground, inherits from text_color
background_color	Color for background, inherits from background_color
accent_color	Color for titles and accents, inherits from header_color

accent_secondary_color	Color for secondary accents, inherits from text_bold_color
css_file	Path to a <b>xaringantheme</b> CSS file, from which the theme variables and values will be inferred. In general, if you use the <b>xaringantheme</b> defaults, you will not need to set this. This feature lets you create a <b>ggplot2</b> theme for your <b>xaringan</b> slides, even if you have only saved your theme CSS file and you aren't creating your CSS theme with <b>xaringantheme</b> in your slides' source file.
set_ggplot_defaults	Should defaults be set for <b>ggplot2</b> <i>geoms</i> ? Defaults to TRUE. To restore ggplot's defaults, or the previously set geom defaults, see <a href="#">theme_xaringan_restore_defaults()</a> .
text_font	Font to use for text elements, passed to <a href="#">sysfonts::font_add_google()</a> , if available and text_font_use_google is TRUE. Inherits from text_font_family. If manually specified, can be a <a href="#">google_font()</a> .
text_font_use_google	Is text_font available on <b>Google Fonts</b> ?
text_font_size	Base text font size, inherits from text_font_size, or defaults to 11.
title_font	Font to use for title elements, passed to <a href="#">sysfonts::font_add_google()</a> , if available and title_font_use_google is TRUE. Inherits from title_font_family. If manually specified, can be a <a href="#">google_font()</a> .
title_font_use_google	Is title_font available on <b>Google Fonts</b> ?
title_font_size	Base text font size, inherits from title_font_size, or defaults to 14.
use_showtext	If TRUE the <b>showtext</b> package will be used to register Google fonts. Set to FALSE to disable this feature entirely, which may result in errors during plotting if the fonts used are not available locally. The default is TRUE when the <b>showtext</b> package is installed.

**Value**

A ggplot2 theme

**See Also**

Other xaringantheme ggplot2 themes: [theme\\_xaringan\(\)](#), [theme\\_xaringan\\_base\(\)](#), [theme\\_xaringan\\_set\\_defaults\(\)](#)

**Examples**

```
# Requires ggplot2
has_ggplot2 <- requireNamespace("ggplot2", quietly = TRUE)

if (has_ggplot2) {
  # Because this is an example, we'll save the CSS to a temp file
  path_to_css_file <- tempfile(fileext = ".css")

  # Create the xaringan theme: dark blue background with teal green accents
  style_duo(
    primary_color = "#002b36",
```

```

    secondary_color = "#31b09e",
    # Using basic fonts for this example, but the plot theme will
    # automatically use your theme font if you use Google fonts
    text_font_family = "sans",
    header_font_family = "serif",
    outfile = path_to_css_file
  )

  library(ggplot2)
  ggplot(mpg) +
    aes(cty, hwy) +
    geom_point() +
    ggtitle("Fuel Efficiency of Various Cars") +
    # themed to match the inverse slides: teal background with dark blue text
    theme_xaringan_inverse()
}

```

---

theme\_xaringan\_set\_defaults

*Set and Restore ggplot2 geom Defaults*

---

## Description

### [Maturing]

Set **ggplot2** *geom* defaults to match [theme\\_xaringan\(\)](#) with [theme\\_xaringan\\_set\\_defaults\(\)](#) and restore the standard or previously-set defaults with [theme\\_xaringan\\_restore\\_defaults\(\)](#).

By default, [theme\\_xaringan\\_set\\_defaults\(\)](#) is run with [theme\\_xaringan\(\)](#) or [theme\\_xaringan\\_inverse\(\)](#).

## Usage

```

theme_xaringan_set_defaults(
  text_color = NULL,
  background_color = NULL,
  accent_color = text_color,
  accent_secondary_color = accent_color,
  text_font = NULL
)

```

```

theme_xaringan_restore_defaults()

```

## Arguments

text_color	Color for text and foreground, inherits from text_color
background_color	Color for background, inherits from background_color
accent_color	Color for titles and accents, inherits from header_color
accent_secondary_color	Color for secondary accents, inherits from text_bold_color

`text_font` Font to use for text elements, passed to `sysfonts::font_add_google()`, if available and `text_font_use_google` is TRUE. Inherits from `text_font_family`. Must be a length-one character.

### Value

Invisibly returns a list of the current ggplot2 geom defaults

Invisibly returns a list of the current ggplot2 geom defaults

### Functions

- `theme_xaringan_restore_defaults()`: Restore previous or standard **ggplot2** geom defaults.

### See Also

Other xaringantheme ggplot2 themes: [theme\\_xaringan\(\)](#), [theme\\_xaringan\\_base\(\)](#), [theme\\_xaringan\\_inverse\(\)](#)

---

xaringantheme\_font\_default

*Write A Customized Xaringan Theme*

---

### Description

Creates a customized Xaringan theme CSS file.

### Usage

```
xaringantheme_font_default(font_arg)
```

```
style_xaringan(
  text_color = "#000",
  header_color = "#000",
  background_color = "#FFF",
  link_color = "rgb(249, 38, 114)",
  text_bold_color = NULL,
  text_slide_number_color = inverse_background_color,
  padding = "16px 64px 16px 64px",
  background_image = NULL,
  background_size = NULL,
  background_position = NULL,
  code_highlight_color = "rgba(255,255,0,0.5)",
  code_inline_color = "#000",
  code_inline_background_color = NULL,
  code_inline_font_size = "1em",
  inverse_background_color = "#272822",
  inverse_text_color = "#d6d6d6",
```

```

inverse_text_shadow = FALSE,
inverse_header_color = "#f3f3f3",
inverse_link_color = link_color,
title_slide_text_color = inverse_text_color,
title_slide_background_color = inverse_background_color,
title_slide_background_image = NULL,
title_slide_background_size = NULL,
title_slide_background_position = NULL,
footnote_color = NULL,
footnote_font_size = "0.9em",
footnote_position_bottom = "60px",
left_column_subtle_color = "#777",
left_column_selected_color = "#000",
blockquote_left_border_color = "lightgray",
table_border_color = "#666",
table_row_border_color = "#ddd",
table_row_even_background_color = "#eee",
base_font_size = "20px",
text_font_size = "1rem",
header_h1_font_size = "2.75rem",
header_h2_font_size = "2.25rem",
header_h3_font_size = "1.75rem",
header_background_auto = FALSE,
header_background_color = header_color,
header_background_text_color = background_color,
header_background_padding = NULL,
header_background_content_padding_top = "7rem",
header_background_ignore_classes = c("normal", "inverse", "title", "middle", "bottom"),
text_slide_number_font_size = "0.9rem",
text_font_google = NULL,
text_font_family = xaringantheme_font_default("text_font_family"),
text_font_weight = xaringantheme_font_default("text_font_weight"),
text_bold_font_weight = "bold",
text_font_url = xaringantheme_font_default("text_font_url"),
text_font_family_fallback = xaringantheme_font_default("text_font_family_fallback"),
text_font_base = "sans-serif",
header_font_google = NULL,
header_font_family = xaringantheme_font_default("header_font_family"),
header_font_weight = xaringantheme_font_default("header_font_weight"),
header_font_family_fallback = "Georgia, serif",
header_font_url = xaringantheme_font_default("header_font_url"),
code_font_google = NULL,
code_font_family = xaringantheme_font_default("code_font_family"),
code_font_size = "0.9rem",
code_font_url = xaringantheme_font_default("code_font_url"),
code_font_family_fallback = xaringantheme_font_default("code_font_family_fallback"),
link_decoration = "none",
colors = NULL,

```

```

    extra_css = NULL,
    extra_fonts = NULL,
    outfile = "xaringan-theme.css"
)

```

## Arguments

font_arg	A font argument from the <b>xaringantheme</b> style_ function family.
text_color	Text Color. Defaults to #000. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text_color)</code> in any argument of a style function or in custom CSS.
header_color	Header Color. Defaults to #000. Modifies the h1, h2, h3 elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header_color)</code> in any argument of a style function or in custom CSS.
background_color	Slide Background Color. Defaults to #FFF. Modifies the <code>.remark-slide-content</code> class. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--background_color)</code> in any argument of a style function or in custom CSS.
link_color	Link Color. Defaults to <code>rgb(249, 38, 114)</code> . Modifies the <code>a</code> , <code>a &gt;</code> code elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--link_color)</code> in any argument of a style function or in custom CSS.
text_bold_color	Bold Text Color. Defaults to NULL. Modifies the <code>strong</code> element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text_bold_color)</code> in any argument of a style function or in custom CSS.
text_slide_number_color	Slide Number Color. Defaults to <code>inverse_background_color</code> . Modifies the <code>.remark-slide-number</code> class.
padding	Slide Padding in <code>top right [bottom left]</code> format. Defaults to <code>16px 64px 16px 64px</code> . Modifies the <code>.remark-slide-content</code> class. Accepts CSS <b>padding</b> property values.
background_image	Background image applied to each <i>and every</i> slide. Set <code>title_slide_background_image = "none"</code> to remove the background image from the title slide. Defaults to NULL. Modifies the <code>.remark-slide-content</code> class.
background_size	Background image size, requires <code>background_image</code> to be set. If <code>background_image</code> is set, <code>background_size</code> will default to <code>cover</code> so the background fills the screen. If both <code>background_image</code> and <code>background_position</code> are set, will default to 100 percent. Defaults to NULL. Modifies the <code>.remark-slide-content</code> class. Accepts CSS <b>background-size</b> property values.
background_position	Background image position, requires <code>background_image</code> to be set, and it is recommended to adjust <code>background_size</code> . Defaults to NULL. Modifies the <code>.remark-slide-content</code> class. Accepts CSS <b>background-position</b> property values.

<code>code_highlight_color</code>	Code Line Highlight. Defaults to <code>rgba(255,255,0,0.5)</code> . Modifies the <code>.remark-code-line-highlighted</code> class. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-highlight-color)</code> in any argument of a style function or in custom CSS.
<code>code_inline_color</code>	Inline Code Color. Defaults to <code>#000</code> . Modifies the <code>.remark-inline-code</code> class.
<code>code_inline_background_color</code>	Inline Code Background Color. Defaults to <code>NULL</code> . Modifies the <code>.remark-inline-code</code> class.
<code>code_inline_font_size</code>	Inline Code Text Font Size. Defaults to <code>1em</code> . Modifies the <code>.remark-inline-code</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-inline-font-size)</code> in any argument of a style function or in custom CSS.
<code>inverse_background_color</code>	Inverse Background Color. Defaults to <code>#272822</code> . Modifies the <code>.inverse</code> class. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--inverse-background-color)</code> in any argument of a style function or in custom CSS.
<code>inverse_text_color</code>	Inverse Text Color. Defaults to <code>#d6d6d6</code> . Modifies the <code>.inverse</code> class. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--inverse-text-color)</code> in any argument of a style function or in custom CSS.
<code>inverse_text_shadow</code>	Enables Shadow on text of inverse slides. Defaults to <code>FALSE</code> . Modifies the <code>.inverse</code> class.
<code>inverse_header_color</code>	Inverse Header Color. Defaults to <code>#f3f3f3</code> . Modifies the <code>.inverse h1</code> , <code>.inverse h2</code> , <code>.inverse h3</code> classes. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--inverse-header-color)</code> in any argument of a style function or in custom CSS.
<code>inverse_link_color</code>	Inverse Link Color. Defaults to <code>link_color</code> . Modifies the <code>.inverse a</code> , <code>.inverse a &gt; code</code> classes. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--inverse-link-color)</code> in any argument of a style function or in custom CSS.
<code>title_slide_text_color</code>	Title Slide Text Color. Defaults to <code>inverse_text_color</code> . Modifies the <code>.title-slide</code> class. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--title-slide-text-color)</code> in any argument of a style function or in custom CSS.
<code>title_slide_background_color</code>	Title Slide Background Color. Defaults to <code>inverse_background_color</code> . Modifies the <code>.title-slide</code> class. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--title-slide-background-color)</code> in any argument of a style function or in custom CSS.



title_slide_background_image	Title Slide Background Image URL. Defaults to NULL. Modifies the <code>.title-slide</code> class.
title_slide_background_size	Title Slide Background Image Size, defaults to "cover" if background image is set. Defaults to NULL. Modifies the <code>.title-slide</code> class. Accepts CSS <b>background-size</b> property values.
title_slide_background_position	Title Slide Background Image Position. Defaults to NULL. Modifies the <code>.title-slide</code> class. Accepts CSS <b>background-position</b> property values.
footnote_color	Footnote text color (if NA, then it will be the same color as <code>text_color</code> ). Defaults to NULL. Modifies the <code>.footnote</code> class.
footnote_font_size	Footnote font size. Defaults to 0.9em. Modifies the <code>.footnote</code> class. Accepts CSS <b>font-size</b> property values.
footnote_position_bottom	Footnote location from bottom of screen. Defaults to 60px. Modifies the <code>.footnote</code> class. Accepts CSS <b>position</b> property values.
left_column_subtle_color	Left Column Text (not last). Defaults to #777. Modifies the <code>.left-column h2</code> , <code>.left-column h3</code> classes.
left_column_selected_color	Left Column Current Selection. Defaults to #000. Modifies the <code>.left-column h2:last-of-type</code> , <code>.left-column h3</code> classes.
blockquote_left_border_color	Blockquote Left Border Color. Defaults to lightgray. Modifies the blockquote element.
table_border_color	Table top/bottom border. Defaults to #666. Modifies the <code>table: border-top</code> , <code>border-bottom</code> elements.
table_row_border_color	Table row inner bottom border. Defaults to #ddd. Modifies the <code>table thead th: border-bottom</code> elements.
table_row_even_background_color	Table Even Row Background Color. Defaults to #eee. Modifies the <code>thead</code> , <code>tfoot</code> , <code>tr:nth-child(even)</code> elements.
base_font_size	Base Font Size for All Slide Elements (must be px). Defaults to 20px. Modifies the <code>html</code> element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--base-font-size)</code> in any argument of a style function or in custom CSS.
text_font_size	Slide Body Text Font Size. Defaults to 1rem. Modifies the <code>.remark-slide-content</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-font-size)</code> in any argument of a style function or in custom CSS.
header_h1_font_size	h1 Header Text Font Size. Defaults to 2.75rem. Modifies the <code>.remark-slide-content h1</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also

stored as a CSS variable that can be referenced with `var(--header-h1-font-size)` in any argument of a style function or in custom CSS.

#### `header_h2_font_size`

h2 Header Text Font Size. Defaults to 2.25rem. Modifies the `.remark-slide-content h2` class. Accepts CSS **font-size** property values. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-h2-font-size)` in any argument of a style function or in custom CSS.

#### `header_h3_font_size`

h3 Header Text Font Size. Defaults to 1.75rem. Modifies the `.remark-slide-content h3` class. Accepts CSS **font-size** property values. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-h3-font-size)` in any argument of a style function or in custom CSS.

#### `header_background_auto`

Add background under slide title automatically for h1 header elements. If not enabled, use class: `header_background` to enable. Defaults to FALSE.

#### `header_background_color`

Background Color for h1 Header with Background. Defaults to `header_color`. Modifies the `.remark-slide-content h1` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-background-color)` in any argument of a style function or in custom CSS.

#### `header_background_text_color`

Text Color for h1 Header with Background. Defaults to `background_color`. Modifies the `.remark-slide-content h1` class. The value of this variable is also stored as a CSS variable that can be referenced with `var(--header-background-text-color)` in any argument of a style function or in custom CSS.

#### `header_background_padding`

Padding for h1 Header with Background. Defaults to NULL. Modifies the `.remark-slide-content h1` class. Accepts CSS **padding** property values.

#### `header_background_content_padding_top`

Top Padding for Content in Slide with Header with Background. Defaults to 7rem. Modifies the `.remark-slide-content` class.

#### `header_background_ignore_classes`

Slide Classes Where Header with Background will not be Applied. Defaults to `c('normal', 'inverse', 'title', 'middle', 'bottom')`. Modifies the `.remark-slide-content` class.

#### `text_slide_number_font_size`

Slide Number Text Font Size. Defaults to 0.9rem. Modifies the `.remark-slide-number` class. Accepts CSS **font-size** property values.

#### `text_font_google`

Use `google_font()` to specify body font. Defaults to NULL. Modifies the body element.

#### `text_font_family`

Body Text Font Family (xaringan default is 'Droid Serif'). Defaults to `xaringantheme_font_default`. Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with `var(--text-font-family)` in any argument of a style function or in custom CSS.

text_font_weight	Body Text Font Weight. Defaults to <code>xaringantheme_font_default("text_font_weight")</code> . Modifies the body element. Accepts CSS <b>font-weight</b> property values.
text_bold_font_weight	Body Bold Text Font Weight. Defaults to <code>bold</code> . Modifies the strong element.
text_font_url	Body Text Font URL(s). Defaults to <code>xaringantheme_font_default("text_font_url")</code> . Modifies the <code>@import url()</code> elements.
text_font_family_fallback	Body Text Font Fallbacks. Defaults to <code>xaringantheme_font_default("text_font_family_fallback")</code> . Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-font-family-fallback)</code> in any argument of a style function or in custom CSS.
text_font_base	Body Text Base Font (Total Failure Fallback). Defaults to <code>sans-serif</code> . Modifies the body element. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--text-font-base)</code> in any argument of a style function or in custom CSS.
header_font_google	Use <code>google_font()</code> to specify header font. Defaults to <code>NULL</code> . Modifies the body element.
header_font_family	Header Font Family (xaringan default is 'Yanone Kaffeesatz'). Defaults to <code>xaringantheme_font_default("header_font_family")</code> . Modifies the <code>h1</code> , <code>h2</code> , <code>h3</code> elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-font-family)</code> in any argument of a style function or in custom CSS.
header_font_weight	Header Font Weight. Defaults to <code>xaringantheme_font_default("header_font_weight")</code> . Modifies the <code>h1</code> , <code>h2</code> , <code>h3</code> elements. Accepts CSS <b>font-weight</b> property values.
header_font_family_fallback	Header Font Family Fallback. Defaults to <code>Georgia, serif</code> . Modifies the <code>h1</code> , <code>h2</code> , <code>h3</code> elements. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--header-font-family-fallback)</code> in any argument of a style function or in custom CSS.
header_font_url	Header Font URL. Defaults to <code>xaringantheme_font_default("header_font_url")</code> . Modifies the <code>@import url</code> elements.
code_font_google	Use <code>google_font()</code> to specify code font. Defaults to <code>NULL</code> . Modifies the body element.
code_font_family	Code Font Family. Defaults to <code>xaringantheme_font_default("code_font_family")</code> . Modifies the <code>.remark-code</code> , <code>.remark-inline-code</code> classes. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-font-family)</code> in any argument of a style function or in custom CSS.
code_font_size	Code Text Font Size. Defaults to <code>0.9rem</code> . Modifies the <code>.remark-inline</code> class. Accepts CSS <b>font-size</b> property values. The value of this variable is also stored as a CSS variable that can be referenced with <code>var(--code-font-size)</code> in any argument of a style function or in custom CSS.

<code>code_font_url</code>	Code Font URL. Defaults to <code>xaringantheme_font_default("code_font_url")</code> . Modifies the <code>@import url</code> elements.
<code>code_font_family_fallback</code>	Code Font Fallback. Defaults to <code>xaringantheme_font_default("code_font_family_fallback")</code> . Modifies the <code>.remark-code</code> , <code>.remark-inline-code</code> classes.
<code>link_decoration</code>	Text decoration of links. Defaults to none. Modifies the <code>a</code> , <code>a &gt; code</code> elements. Accepts CSS <code>text-decoration</code> property values.
<code>colors</code>	A named vector of custom colors. The names of the colors become CSS variables and classes that can be used within your slides. For example, <code>colors = c(blue = "#bad4ed")</code> adds a CSS variable <code>--blue</code> , a <code>.blue</code> CSS class that applies the color to the text or foreground color, and a <code>.bg-blue</code> CSS class that applies the color to the background.
<code>extra_css</code>	A named list of CSS definitions each containing a named list of CSS property-value pairs, i.e. <code>list(".class-id" = list("css-property" = "value"))</code> .
<code>extra_fonts</code>	A list of additional fonts to import, each list element can be either a URL as a character string or a call to <code>google_font()</code> . To use a font imported in <code>extra_fonts</code> , you will need to write custom CSS rules that apply the font to an element or class with the <code>font-family</code> property. See the <b>Fonts</b> section of <code>vignette("xaringantheme")</code> for an example.
<code>outfile</code>	Customized xaringan CSS output file name, default is "xaringan-themer.css"

### Value

The CSS styles are written to the file path provided in `outfile` (by default to `xaringan-themer.css`). If `outfile` is `NULL`, the CSS is returned directly as a character string.

### Functions

- `xaringantheme_font_default()`: Default values for font family, weight, URLs and font fallbacks.

### Usage

To use the styles created by this theme function, make sure that you use `xaringan-themer.css` as your CSS file in your slides' YAML header. If you change the name of the output file using the `outfile` argument, use that name instead of the default file name.

```
output:
xaringan::moon_reader:
  css: xaringan-themer.css
```

### See Also

Other themes: [style\\_duo\(\)](#), [style\\_duo\\_accent\(\)](#), [style\\_duo\\_accent\\_inverse\(\)](#), [style\\_mono\\_accent\(\)](#), [style\\_mono\\_accent\\_inverse\(\)](#), [style\\_mono\\_dark\(\)](#), [style\\_mono\\_light\(\)](#), [style\\_solarized\\_dark\(\)](#), [style\\_solarized\\_light\(\)](#)

**Examples**

```
# Create a xaringan style in a temporary file
xaringan_themer_css <- tempfile("xaringan-themer-", fileext = ".css")

style_xaringan(
  text_color = "#002b3",
  inverse_background_color = "#31b09e",
  inverse_text_color = "#002b3",
  outfile = xaringan_themer_css # omit in your slides to write the
                                # styles to xaringan-themer.css
)

# View the CSS:
# file.edit(xaringan_themer_css)
```

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