

Package: paleta (via r-universe)

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Type Package

Title Collection of Palettes, Themes, and Theme Components

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acdc_fonts	<i>Africa CDC fonts</i>
------------	-------------------------

Description

The function will search the system for availability of any of the Africa CDC fonts in hierarchical order starting with *Univers*, then *Din Next Arabic*, and then finally *Arial*. If none of these are found in the system, the function will return *Noto Sans* by default or the user can set which font to use as alternative by specifying alt.

Usage

```
acdc_fonts

set_acdc_font(alt = paleta_fonts$paleta_noto)
```

Arguments

alt A character value for font family to use if all of the Africa CDC fonts are not available in the system.

Value

A character value for font family to use as Africa CDC font.

Examples

acdc_fonts
set_acdc_font()

acdc_green	<i>Africa CDC colours</i>
------------	---------------------------

Description

Africa CDC colours

Usage

acdc_green
acdc_red
acdc_gold
acdc_white
acdc_grey
acdc_corporate_green
acdc_text
acdc_blue
acdc_plum
acdc_blue_grey
acdc_amber
acdc_cyan

acdc_deep_orange

acdc_purple

acdc_lime

acdc_mauve

acdc_pink

acdc_teal

Examples

acdc_green

acdc_red

acdc_gold

acdc_palettes

Africa CDC palettes

Description

Africa CDC palettes

Usage

acdc_palettes

acdc_brewer_palettes

Examples

acdc_palettes

acdc_brewer_palettes

`get_colour`*Get named colours vector*

Description

Get named colours vector

Usage

```
get_colour(  
  pattern = NULL,  
  model = c("hex", "rgb", "cmyk", "pantone"),  
  named = FALSE  
)  
  
get_colours(  
  pattern = NULL,  
  model = c("hex", "rgb", "cmyk", "pantone"),  
  named = FALSE  
)
```

Arguments

<code>pattern</code>	Optional. A character value or vector to use as a search term. Default is NULL in which case all the Oxford colours are returned.
<code>model</code>	A character vector of colour model. Can be "rgb", "cmyk", "hex", or "pantone". Default is "hex".
<code>named</code>	Logical. Should the output be a named character value or vector? Default is FALSE.

Value

A character value or vector of colour/s as per `model` specification. If `named` is TRUE, returns a named character value or vector.

Examples

```
get_colours()  
get_colours(model = "rgb")  
get_colours(pattern = "orange")  
get_colours(pattern = c("orange", "brown"), named = TRUE)  
get_colours(pattern = c("orange", "GREEN", "Blue"))
```

<code>gnc_fonts</code>	<i>GNC fonts</i>
------------------------	------------------

Description

The function will search the system for availability of any of the GNC fonts in hierarchical order starting with *Arial*, then *Calibri Regular*, then *Source Sans Pro*, and then finally *Arial*. If none of these are found in the system, the function will return *Noto Sans* by default or the user can set which font to use as alternative by specifying `alt`.

Usage

```
gnc_fonts

set_gnc_font(alt = paleta_fonts$paleta_noto)
```

Arguments

<code>alt</code>	A character value for font family to use if all of the GNC fonts are not available in the system.
------------------	---

Value

A character value for font family to use as GNC font.

Examples

```
gnc_fonts

set_gnc_font()
```

<code>gnc_green</code>	<i>GNC colours</i>
------------------------	--------------------

Description

GNC colours

Usage

- gnc_green
- gnc_grey
- gnc_sage
- gnc_dark_green
- gnc_lime
- gnc_aqua_green
- gnc_cyan
- gnc_blue
- gnc_orange
- gnc_moss_green
- gnc_gold

Examples

- gnc_green
- gnc_grey
- gnc_sage

gnc_palettes	<i>GNC palettes</i>
--------------	---------------------

Description

GNC palettes

Usage

gnc_palettes

Examples

gnc_palettes

nhs_blue	<i>NHS colours</i>
----------	--------------------

Description

NHS colours

Usage

- nhs_blue
- nhs_white
- nhs_dark_blue
- nhs_bright_blue
- nhs_light_blue
- nhs_aqua_blue
- nhs_black
- nhs_dark_grey
- nhs_mid_grey
- nhs_pale_grey
- nhs_dark_green
- nhs_green
- nhs_light_green
- nhs_aqua_green
- nhs_purple
- nhs_dark_pink
- nhs_pink
- nhs_emergency_red
- nhs_dark_red

nhs_orange

nhs_warm_yellow

nhs_yellow

Examples

nhs_blue

nhs_dark_blue

nhs_fonts

NHS fonts

Description

The function will search the system for availability of any of the NHS fonts in hierarchical order starting with *Frutiger*, and then *Arial*. If none of these are found in the system, the function will return *Noto Sans* by default or the user can set which font to use as alternative by specifying `alt`.

Usage

nhs_fonts

set_nhs_font(alt = paleta_fonts\$paleta_noto)

Arguments

`alt` A character value for font family to use if all of the NHS fonts are not available in the system.

Value

A character value for font family to use as NHS font.

Examples

nhs_fonts

set_nhs_font()

nhs_palettes	<i>NHS palettes</i>
--------------	---------------------

Description

NHS palettes

Usage

nhs_palettes

nhs_brewer_palettes

Examples

nhs_palettes

nhs_brewer_palettes

paleta_colours	<i>Colours based on visual identity guidelines of various organisations</i>
----------------	---

Description

Colours based on visual identity guidelines of various organisations

Usage

paleta_colours

Format

A tibble with 5 fields

Variable	Description
<i>name</i>	Organisation colour name
<i>code</i>	Organisation colour code
<i>rgb</i>	Three integers for the red, green, blue components of the RGB colour model
<i>cmyk</i>	Four integers for the cyan, magenta, yellow, and black components of the CMYK colour model
<i>hex</i>	Hexadecimal codes for corresponding colour
<i>pantone</i>	Pantone colour name

Examples

paleta_colours

`paleta_create_sequential`*Create new palettes based on organisational palettes*

Description

These functions apply a similar approach used and demonstrated by [ColorBrewer](#) and has been patterned after the syntax of the RColorBrewer package

Usage

```
paleta_create_sequential(n, org = c("acdc", "nhs"), name)

paleta_create_divergent(n, name, org)

paleta_create_qualitative(n, name, org)

paleta_create_brewer(
  n,
  name,
  org,
  type = c("sequential", "divergent", "qualitative")
)
```

Arguments

<code>n</code>	Number of colours desired/required. Organisational palettes should have at least 3 colours and up to 9 colours maximum. All colour schemes are derived from an organisation's brand/style guidelines.
<code>org</code>	Name of organisation. Currently supports only "acdc" for the Africa CDC colour palettes.
<code>name</code>	Name of the organisational palette to use
<code>type</code>	A character value for type of palette to use. Can be either "sequential", "divergent", or "qualitative".

Value

A character vector of desired/required colours with length equivalent to `n`

Examples

```
paleta_create_sequential(n = 5, org = "acdc", name = "blues")
paleta_create_divergent(n = 5, org = "acdc", name = "rdylgn")
```

paleta_fonts	<i>Base package fonts</i>
--------------	---------------------------

Description

Base package fonts

Usage

paleta_fonts

Examples

paleta_fonts

print.palette	<i>Print function for palettes</i>
---------------	------------------------------------

Description

Print function for palettes

Usage

```
## S3 method for class 'palette'  
print(x, ...)
```

Arguments

- x An object of class palette
- ... Additional arguments to print

set_paleta_font	<i>Set paleta font based on what is available in the system</i>
-----------------	---

Description

The function will search the system for availability of any of the paleta fonts in hierarchical order starting with *Roboto Condensed*, then *Noto Sans*, and then *Roboto*.

Usage

```
set_paleta_font()
```

Value

A character value for font family to use as paleta font.

Examples

```
set_paleta_font()
```

shade_colour	<i>Get shade of colours</i>
--------------	-----------------------------

Description

Get shade of colours

Usage

```
shade_colour(hex, p)
```

```
shade_colours_(hex, p)
```

```
shade_colours(hex, p, label = FALSE)
```

Arguments

hex	A character value or vector of character of values for hex code of colour/s to shade.
p	Range from 0 to 1 for proportion to shade the colour/s with.
label	Logical. Should the output/s be labelled? Default is FALSE.

Value

A character value or vector of character values of hex code/s shaded to the desired proportion.

Examples

```
shade_colour(acdc_green, p = 0.2)
shade_colours(acdc_palettes$acdc_secondary, p = 0.4)
```

theme_acdc_light	<i>A ggplot2 theme using Africa CDC fonts, colours, and palettes</i>
------------------	--

Description

These are wrappers for [theme_paleta\(\)](#) that use colours and fonts from the Africa CDC visual identity guidelines.

Usage

```
theme_acdc_light(
  base_family = set_acdc_font(),
  base_size = 11.5,
  plot_title_family = base_family,
  plot_title_colour = acdc_text,
  subtitle_family = base_family,
  subtitle_colour = acdc_text,
  caption_colour = acdc_text,
  axis_title_colour = acdc_text,
  legend_title_colour = acdc_text,
  legend_text_colour = acdc_text,
  grid_col = acdc_gold,
  grid = TRUE,
  axis_col = acdc_gold,
  axis = FALSE,
  ticks = FALSE
)

theme_acdc_dark(
  base_family = set_acdc_font(),
  base_size = 11.5,
  plot_title_family = base_family,
  plot_title_colour = acdc_white,
  subtitle_family = base_family,
  subtitle_colour = acdc_white,
  caption_colour = acdc_white,
  axis_title_colour = acdc_white,
  legend_title_colour = acdc_white,
  legend_text_colour = acdc_white,
  plot_background_fill = tint_colour(acdc_gold, 0.8),
  grid_col = acdc_green,
  grid = TRUE,
```

```

    axis_col = acdc_green,
    axis = FALSE,
    ticks = FALSE
  )

```

Arguments

base_family	Base font family using Africa CDC fonts. Default is set by what Africa CDC font is available in the system via set_acdc_font() . If none of the Africa CDC fonts are available, the default becomes Noto Sans.
base_size	Base font size. Default is 11.5.
plot_title_family	Font family to use for the plot title. Default is base_family.
plot_title_colour	Colour of the plot title text. Default is acdc_text .
subtitle_family	Font family to use for the plot subtitle. Default is base_family.
subtitle_colour	Colour of the subtitle text. Default is acdc_text .
caption_colour	Colour of the caption text. Default is acdc_text .
axis_title_colour	Colour of the axis title text. Default is acdc_text .
legend_title_colour	Colour of the legend title text. Default is acdc_text .
legend_text_colour	Colour of the legend text. Default is acdc_text .
grid_col	Grid colour. Default to acdc_gold .
grid	Panel grid. Either TRUE, FALSE, or a combination of X (major x grid), x (minor x grid), Y (major y grid), and/or y (minor y grid). Default is TRUE.
axis_col	Axis colours. Default to acdc_gold .
axis	Add x or y axes? TRUE, FALSE, "xy". Default is FALSE.
ticks	Logical. Should ticks be added? Default is FALSE.
plot_background_fill	Fill colour for the plot background. Default is NULL.

Value

A [ggplot2](#) theme.

Colours

The Africa CDC theme is based on the colours from the [acdc_palettes](#). The primary palette consists of three colours: `acdc_palettes$acdc_primary`. The secondary palette consists of eleven colours: `acdc_palettes$acdc_secondary`.

Fonts

The Africa CDC theme uses one or up to two fonts from the four fonts prescribed by the Africa CDC visual identity guidelines. These fonts (in hierarchical order of preference) are *Univers*, *Din Next Arabic*, and/or *Arial*. Any or all of these fonts should be available in the user's system for them to be used in the theme. If none of these fonts are available in the user's system, a freely downloadable alternative called *Noto Sans* is the default fallback font and can be obtained from [Google Fonts](#).

Examples

```
## Not run:
ggplot(
  data = mtcars,
  mapping = aes(
    x = factor(vs, levels = c(0, 1), labels = c("v-shaped", "straight")),
    fill = factor(cyl))
) +
geom_bar() +
scale_fill_manual(
  name = "Cylinders",
  values = acdc_palettes$acdc_secondary
) +
labs(
  title = "Engine shape by number of cylinders",
  subtitle = "An example plot for this package",
  x = "Engine Shape",
  y = "Counts"
) +
theme_acdc_light()

## End(Not run)
```

theme_gnc

A *ggplot2* theme using GNC fonts, colours, and palettes

Description

These are wrappers for `theme_paleta()` that use colours and fonts from the GNC visual identity guidelines.

These are wrappers for `theme_paleta()` that use colours and fonts from the UNICEF visual identity guidelines.

Usage

```
theme_gnc(
  base_family = set_gnc_font(),
  base_size = 11.5,
```

```

    plot_title_family = base_family,
    plot_title_colour = gnc_grey,
    subtitle_family = base_family,
    subtitle_colour = gnc_grey,
    caption_colour = gnc_grey,
    axis_title_colour = gnc_grey,
    legend_title_colour = gnc_grey,
    legend_text_colour = gnc_grey,
    grid_col = gnc_grey,
    grid = TRUE,
    axis_col = gnc_grey,
    axis = FALSE,
    ticks = FALSE
)

theme_unicef(
  base_family = set_unicef_font(),
  base_size = 11.5,
  plot_title_family = base_family,
  plot_title_colour = unicef_black,
  subtitle_family = base_family,
  subtitle_colour = unicef_cool_grey,
  caption_colour = unicef_cool_grey,
  axis_title_colour = unicef_cool_grey,
  legend_title_colour = unicef_cool_grey,
  legend_text_colour = unicef_cool_grey,
  grid_col = unicef_warm_grey,
  grid = TRUE,
  axis_col = unicef_warm_grey,
  axis = FALSE,
  ticks = FALSE
)

```

Arguments

<code>base_family</code>	Base font family using UNICEF fonts. Default is set by what UNICEF font is available in the system via <code>set_unicef_font()</code> . If none of the UNICEF fonts are available, the default becomes <i>Noto Sans</i> .
<code>base_size</code>	Base font size. Default is 11.5.
<code>plot_title_family</code>	Font family to use for the plot title. Default is <code>base_family</code> .
<code>plot_title_colour</code>	Colour of the plot title text. Default is <code>unicef_black</code> .
<code>subtitle_family</code>	Font family to use for the plot subtitle. Default is <code>base_family</code> .
<code>subtitle_colour</code>	Colour of the subtitle text. Default is <code>unicef_cool_grey</code> .
<code>caption_colour</code>	Colour of the caption text. Default is <code>unicef_cool_grey</code> .

axis_title_colour	Colour of the axis title text. Default is unicef_cool_grey .
legend_title_colour	Colour of the legend title text. Default is NULL.
legend_text_colour	Colour of the legend text. Default is NULL.
grid_col	Grid colour. Default to unicef_warm_grey .
grid	Panel grid. Either TRUE, FALSE, or a combination of X (major x grid), x (minor x grid), Y (major y grid), and/or y (minor y grid). Default is TRUE.
axis_col	Axis colours. Default to unicef_warm_grey .
axis	Add x or y axes? TRUE, FALSE, "xy". Default is FALSE.
ticks	Logical. Should ticks be added? Default is FALSE.

Value

A [ggplot2](#) theme.

A [ggplot2](#) theme.

Colours

The GNC theme is based on the colours from the [gnc_palettes](#). The primary palette consists of one colour: `gnc_palettes$gnc_primary`. The secondary palette consists of ten colours: `gnc_palettes$gnc_secondary`.

The UNICEF theme is based on the colours from the [unicef_palettes](#). The primary palette consists of one colour: `unicef_palettes$unicef_primary`. The secondary palette consists of eleven colours: `unicef_palettes$unicef_secondary`.

Fonts

The GNC theme uses four fonts as prescribed by the GNC visual identity guidelines. These fonts (in hierarchical order of preference) are *Arial*, *Calibri*, *Source Sans Pro*, and *Bebas Neue*. Any or all of these fonts should be available in the user's system for them to be used in the theme. If none of these fonts are available in the user's system, a freely downloadable alternative called *Noto Sans* is the default fallback font and can be obtained from [Google Fonts](#).

The UNICEF theme uses four fonts as prescribed by the UNICEF visual identity guidelines. These fonts (in hierarchical order of preference) are *Univers LT Pro*, *Arial*, *Roboto*, and *Aleo*. Any or all of these fonts should be available in the user's system for them to be used in the theme. If none of these fonts are available in the user's system, a freely downloadable alternative called *Noto Sans* is the default fallback font and can be obtained from [Google Fonts](#).

Examples

```
## Not run:
ggplot(
  data = mtcars,
  mapping = aes(
    x = factor(vs, levels = c(0, 1), labels = c("v-shaped", "straight")),
    fill = factor(cyl))
```

```

) +
geom_bar() +
scale_fill_manual(
  name = "Cylinders",
  values = gnc_palettes$gnc_secondary
) +
labs(
  title = "Engine shape by number of cylinders",
  subtitle = "An example plot for this package",
  x = "Engine Shape",
  y = "Counts"
) +
theme_unicef()

## End(Not run)

## Not run:
ggplot(
  data = mtcars,
  mapping = aes(
    x = factor(vs, levels = c(0, 1), labels = c("v-shaped", "straight")),
    fill = factor(cyl))
) +
geom_bar() +
scale_fill_manual(
  name = "Cylinders",
  values = unicef_palettes$unicef_secondary
) +
labs(
  title = "Engine shape by number of cylinders",
  subtitle = "An example plot for this package",
  x = "Engine Shape",
  y = "Counts"
) +
theme_unicef()

## End(Not run)

```

theme_nhs

A *ggplot2* theme using NHS fonts, colours, and palettes

Description

These are wrappers for `theme_paleta()` that use colours and fonts from the NHS visual identity guidelines.

Usage

```
theme_nhs(
```

```

base_family = set_nhs_font(),
base_size = 11.5,
plot_title_family = base_family,
plot_title_colour = nhs_blue,
subtitle_family = base_family,
subtitle_colour = nhs_dark_grey,
caption_colour = nhs_dark_grey,
axis_title_colour = nhs_dark_grey,
legend_title_colour = nhs_dark_grey,
legend_text_colour = nhs_dark_grey,
grid_col = nhs_mid_grey,
grid = TRUE,
axis_col = nhs_mid_grey,
axis = FALSE,
ticks = FALSE
)

```

Arguments

base_family	Base font family using NHS fonts. Default is set by what NHS font is available in the system via set_nhs_font() . If none of the NHS fonts are available, the default becomes <i>Noto Sans</i> .
base_size	Base font size. Default is 11.5.
plot_title_family	Font family to use for the plot title. Default is base_family.
plot_title_colour	Colour of the plot title text. Default is nhs_blue .
subtitle_family	Font family to use for the plot subtitle. Default is 'base_family'.
subtitle_colour	Colour of the subtitle text. Default is nhs_mid_grey .
caption_colour	Colour of the caption text. Default is nhs_mid_grey .
axis_title_colour	Colour of the axis title text. Default is nhs_mid_grey .
legend_title_colour	Colour of the legend title text. Default is NULL.
legend_text_colour	Colour of the legend text. Default is NULL.
grid_col	Grid colour. Default to nhs_pale_grey .
grid	Panel grid. Either TRUE, FALSE, or a combination of X (major x grid), x (minor x grid), Y (major y grid), and/or y (minor y grid). Default is TRUE.
axis_col	Axis colours. Default to nhs_pale_grey .
axis	Add x or y axes? TRUE, FALSE, "xy". Default is FALSE.
ticks	Logical. Should ticks be added? Default is FALSE.

Value

A [ggplot2](#) theme.

Colours

The NHS theme is based on the colours from the [nhs_palettes](#). The primary palette consists of two colours: `nhs_palettes$nhs_primary`. The secondary palette consists of nineteen colours:.

Fonts

The NHS theme uses two fonts as prescribed by the NHS visual identity guidelines. These fonts (in hierarchical order of preference) are *Frutiger* and *Arial*. Any or all of these fonts should be available in the user's system for them to be used in the theme. If none of these fonts are available in the user's system, a freely downloadable alternative called *Noto Sans* is the default fallback font and can be obtained from [Google Fonts](#).

Examples

```
## Not run:
ggplot(
  data = mtcars,
  mapping = aes(
    x = factor(vs, levels = c(0, 1), labels = c("v-shaped", "straight")),
    fill = factor(cyl))
) +
  geom_bar() +
  scale_fill_manual(
    name = "Cylinders",
    values = nhs_palettes$nhs_support_greens
  ) +
  labs(
    title = "Engine shape by number of cylinders",
    subtitle = "An example plot for this package",
    x = "Engine Shape",
    y = "Counts"
  ) +
  theme_nhs()

## End(Not run)
```

 theme_paleta

 A generic/base [ggplot2](#) theme for the *paleta* package

Description

This generic/base [ggplot2](#) theme is the template from which all other themes in the [paleta](#) package is built on. This theme is inspired by Bob Rudis' [hrbrthemes](#) package drawing heavily on its typography-centric focus.

Usage

```
theme_paleta(  
  base_family = set_paleta_font(),  
  base_size = 11.5,  
  plot_title_family = base_family,  
  plot_title_size = 16,  
  plot_title_face = "bold",  
  plot_title_colour = NULL,  
  plot_title_margin = 10,  
  subtitle_family = base_family,  
  subtitle_size = 12,  
  subtitle_face = "plain",  
  subtitle_colour = NULL,  
  subtitle_margin = 15,  
  strip_text_family = base_family,  
  strip_text_size = 12,  
  strip_text_face = "plain",  
  caption_family = base_family,  
  caption_size = 9,  
  caption_face = "italic",  
  caption_colour = NULL,  
  caption_margin = 10,  
  axis_text_size = base_size,  
  axis_title_family = subtitle_family,  
  axis_title_size = 9,  
  axis_title_colour = NULL,  
  axis_title_face = "plain",  
  axis_title_just = "rt",  
  legend_title_family = subtitle_family,  
  legend_title_colour = NULL,  
  legend_text_family = subtitle_family,  
  legend_text_colour = NULL,  
  plot_margin = ggplot2::margin(30, 30, 30, 30),  
  plot_background_fill = NULL,  
  grid_col = NULL,  
  grid = TRUE,  
  axis_col = NULL,  
  axis = FALSE,  
  ticks = FALSE  
)
```

Arguments

<code>base_family</code>	Base font family using Africa CDC fonts. Default is set by what Africa CDC font is available in the system via set_paleta_font() .
<code>base_size</code>	Base font size. Default is 11.5.
<code>plot_title_family</code>	Font family to use for the plot title. Default is <code>base_family</code> .

plot_title_size	Plot title text size in pts. Default is 16.
plot_title_face	Font face ("plain", "italic", "bold", "bold.italic") for plot title. Default is "bold".
plot_title_colour	Colour of the plot title text. Default is <code>acdc_green</code> .
plot_title_margin	Margin at the bottom of the plot title. Default set at 10.
subtitle_family	Font family to use for the plot subtitle. Default is <code>base_family</code> .
subtitle_size	Plot subtitle text size in pts. Default is 12.
subtitle_face	Font face ("plain", "italic", "bold", "bold.italic") for plot subtitle. Default is "plain".
subtitle_colour	Colour of the subtitle text. Default is NULL to use default <code>ggplot2</code> colour.
subtitle_margin	Margin at the bottom of the plot subtitle. Default set at 15.
strip_text_family	Font family to use for the facet label. Default is <code>base_family</code> .
strip_text_size	Facet label text size in pts. Default is 12.
strip_text_face	Font face ("plain", "italic", "bold", "bold.italic") for facet label. Default is "plain".
caption_family	Font family to use for the caption text. Default is <code>base_family</code> .
caption_size	Caption text size in pts. Default is 9.
caption_face	Font face ("plain", "italic", "bold", "bold.italic") for caption text. Default is "plain".
caption_colour	Colour of the caption text. Default is NULL.
caption_margin	Margin at the top of the plot caption text. Default is set at 10.
axis_text_size	Axis text size in pts. Default is <code>base_size</code> .
axis_title_family	Font family to use for the axis title. Default is <code>subtitle_family</code> .
axis_title_size	Axis title text size in pts. Default is 9.
axis_title_colour	Colour of the axis title text. Default is NULL to use default <code>ggplot2</code> colour.
axis_title_face	Font face ("plain", "italic", "bold", "bold.italic") for axis title. Default is "plain".
axis_title_just	Axis title font justification, one of "bl" (bottom-left), "m" (middle), "rt" (right-top). Default is "rt".

legend_title_family	Font family to use for the legend title. Default is subtitle_family.
legend_title_colour	Colour of the legend title text. Default is NULL.
legend_text_family	Font family to use for the legend text. Default is subtitle_family.
legend_text_colour	Colour of the legend text. Default is NULL.
plot_margin	Plot margins (specify with <code>ggplot2::margin()</code>).
plot_background_fill	Fill colour for the plot background. Default is NULL.
grid_col	Grid colour. Default to NULL.
grid	Panel grid. Either TRUE, FALSE, or a combination of X (major x grid), x (minor x grid), Y (major y grid), and/or y (minor y grid). Default is TRUE.
axis_col	Axis colours. Default to NULL.
axis	Add x or y axes? TRUE, FALSE, "xy". Default is FALSE.
ticks	Logical. Should ticks be added? Default is FALSE.

Details

This function uses either of three fonts - *Roboto Condensed*, *Noto Sans*, or *Roboto* (in this specific order) - depending on what is available in the user's system. *Roboto Condensed*, *Noto Sans*, and *Roboto* - all Google fonts - are freely downloadable and easily installed on any system. If any of these fonts is not available in your system, download and install either/all *Roboto Condensed*, *Noto Sans* and/or *Roboto* from [Google Fonts](#).

Value

A `ggplot2` theme.

theme_wb

A *ggplot2* theme using World Bank fonts, colours, and palettes

Description

These are wrappers for `theme_paleta()` that use colours and fonts from the World Bank visual identity guidelines.

Usage

```
theme_wb(
  base_family = set_wb_font(),
  base_size = 11.5,
  plot_title_family = base_family,
  plot_title_colour = wb_blue,
```

```

    subtitle_family = base_family,
    subtitle_colour = wb_cyan,
    caption_colour = wb_blue,
    axis_title_colour = wb_blue,
    legend_title_colour = wb_blue,
    legend_text_colour = wb_blue,
    grid_col = wb_cyan,
    grid = TRUE,
    axis_col = wb_cyan,
    axis = FALSE,
    ticks = FALSE
  )

```

Arguments

base_family	Base font family using World Bank fonts. Default is set by what World Bank font is available in the system via set_wb_font() . If none of the World Bank fonts are available, the default becomes <i>Noto Sans</i> .
base_size	Base font size. Default is 11.5.
plot_title_family	Font family to use for the plot title. Default is base_family.
plot_title_colour	Colour of the plot title text. Default is wb_blue .
subtitle_family	Font family to use for the plot subtitle. Default is base_family.
subtitle_colour	Colour of the subtitle text. Default is wb_cyan .
caption_colour	Colour of the caption text. Default is wb_cyan .
axis_title_colour	Colour of the axis title text. Default is wb_cyan .
legend_title_colour	Colour of the legend title text. Default is NULL.
legend_text_colour	Colour of the legend text. Default is NULL.
grid_col	Grid colour. Default to wb_cyan .
grid	Panel grid. Either TRUE, FALSE, or a combination of X (major x grid), x (minor x grid), Y (major y grid), and/or y (minor y grid). Default is TRUE.
axis_col	Axis colours. Default to wb_cyan .
axis	Add x or y axes? TRUE, FALSE, "xy". Default is FALSE.
ticks	Logical. Should ticks be added? Default is FALSE.

Value

A [ggplot2](#) theme.

Colours

The World Bank theme is based on the colours from the [wb_palettes](#). The primary palette consists of four colours: `wb_palettes$wb_primary`. The secondary palette consists of fourteen colours: `wb_palettes$wb_secondary`.

Fonts

The World Bank theme uses two fonts as prescribed by the World Bank visual identity guidelines. These fonts (in hierarchical order of preference) are *Andes* and *Arial*. Any or all of these fonts should be available in the user's system for them to be used in the theme. If none of these fonts are available in the user's system, a freely downloadable alternative called *Noto Sans* is the default fallback font and can be obtained from [Google Fonts](#).

Examples

```
## Not run:
ggplot(
  data = mtcars,
  mapping = aes(
    x = factor(vs, levels = c(0, 1), labels = c("v-shaped", "straight")),
    fill = factor(cyl))
) +
  geom_bar() +
  scale_fill_manual(
    name = "Cylinders",
    values = wb_palettes$wb_secondary
  ) +
  labs(
    title = "Engine shape by number of cylinders",
    subtitle = "An example plot for this package",
    x = "Engine Shape",
    y = "Counts"
  ) +
  theme_wb()

## End(Not run)
```

tint_colour

Get tint of colours

Description

Get tint of colours

Usage

```
tint_colour(hex, p)

tint_colours_(hex, p)

tint_colours(hex, p, label = FALSE)
```

Arguments

hex	A character value or vector of character of values for hex code of colour/s to tint.
p	A numeric value or vector of numeric values for proportion/s (range from 0 to 1) to tint the colour/s with.
label	Logical. Should the output/s be labelled? Default is FALSE.

Value

A character value or vector of character values of hex code/s tinted to the desired proportion.

Examples

```
tint_colour(acdc_green, p = 0.2)
tint_colours(acdc_palettes$acdc_secondary, p = 0.4)
```

unicef_blue	<i>UNICEF colours</i>
-------------	-----------------------

Description

UNICEF colours

Usage

```
unicef_blue

unicef_green

unicef_lime_green

unicef_yellow

unicef_orange

unicef_bright_red

unicef_dark_red
```

unicef_purple
unicef_warm_grey
unicef_cool_grey
unicef_black
unicef_dark_blue

Examples

unicef_blue
unicef_green

unicef_fonts	UNICEF fonts
--------------	--------------

Description

The function will search the system for availability of any of the UNICEF fonts in hierarchical order starting with *Andes*, and then *Arial*. If none of these are found in the system, the function will return *Noto Sans* by default or the user can set which font to use as alternative by specifying `alt`.

Usage

```
unicef_fonts  
  
set_unicef_font(alt = paleta_fonts$paleta_noto)
```

Arguments

<code>alt</code>	A character value for font family to use if all of the UNICEF fonts are not available in the system.
------------------	--

Value

A character value for font family to use as UNICEF font.

Examples

```
unicef_fonts  
  
set_unicef_font()
```

unicef_palettes	<i>UNICEF palettes</i>
-----------------	------------------------

Description

UNICEF palettes

Usage

unicef_palettes

Examples

unicef_palettes

wb_blue	<i>World Bank colours</i>
---------	---------------------------

Description

World Bank colours

Usage

- wb_blue
- wb_cyan
- wb_black
- wb_white
- wb_bright_orange
- wb_bright_yellow
- wb_bright_red
- wb_light_orange
- wb_bright_aqua
- wb_bright_green
- wb_bright_purple

wb_light_aqua
wb_dark_red
wb_dark_orange
wb_brown
wb_dark_purple
wb_dark_aqua
wb_dark_green

Examples

wb_blue
wb_cyan

wb_fonts	<i>World Bank fonts</i>
----------	-------------------------

Description

The function will search the system for availability of any of the World Bank fonts in hierarchical order starting with *Andes*, and then *Arial*. If none of these are found in the system, the function will return *Noto Sans* by default or the user can set which font to use as alternative by specifying `alt`.

Usage

```
wb_fonts  
  
set_wb_font(alt = paleta_fonts$paleta_noto)
```

Arguments

<code>alt</code>	A character value for font family to use if all of the World Bank fonts are not available in the system.
------------------	--

Value

A character value for font family to use as World Bank font.

Examples

```
wb_fonts
set_wb_font()
```

wb_palettes	<i>World Bank palettes</i>
-------------	----------------------------

Description

World Bank palettes

Usage

```
wb_palettes
```

Examples

```
wb_palettes
```

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