

# Package: unhcrthemes (via r-universe)

September 19, 2026

**Type** Package

**Title** UNHCR 'ggplot2' Theme and Colour Palettes

**Version** 0.7.1.9000

**Description** A 'ggplot2' theme and color palettes following the United Nations High Commissioner for Refugees (UNHCR) Data Visualization Guidelines recommendations.

**License** MIT + file LICENSE

**Encoding** UTF-8

**URL** <https://github.com/vidonne/unhcrthemes>,  
<https://vidonne.github.io/unhcrthemes/>

**BugReports** <https://github.com/vidonne/unhcrthemes/issues>

**Depends** R (>= 3.5)

**Imports** ggplot2 (>= 3.5.0), scales, ggtext, ggrepel, systemfonts

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**Repository** <https://unhcrverse.r-universe.dev>

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Contents

|                               |           |
|-------------------------------|-----------|
| display_unhcr_all . . . . .   | 2         |
| display_unhcr_pal . . . . .   | 3         |
| import_lato . . . . .         | 3         |
| lato_installed . . . . .      | 4         |
| scale_color_unhcr_c . . . . . | 4         |
| theme_unhcr . . . . .         | 7         |
| unhcr_pal . . . . .           | 9         |
| <b>Index</b>                  | <b>10</b> |

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|                   |                                    |
|-------------------|------------------------------------|
| display_unhcr_all | <i>UNHCR color palettes viewer</i> |
|-------------------|------------------------------------|

---

Description

Displays a set of the color palettes from UNHCR color

Usage

```
display_unhcr_all(n = NULL, type = "all")
```

Arguments

- n                      Number of different colors in the palette, minimum depending on the palette (2), maximum depending on the palette (5, 7 or 10)
- type                    Type of the palette, can be "sequential", "diverging", "qualitative" or "all"

Value

No return value, called for side effects

Examples

```
library(unhcrthemes)
display_unhcr_all()
display_unhcr_all(type = "diverging")
display_unhcr_all(type = c("diverging", "qualitative", "sequential"))
display_unhcr_all(n = 3, type = "sequential")
display_unhcr_all(n = 5, type = "sequential")
```

---

|                   |                                   |
|-------------------|-----------------------------------|
| display_unhcr_pal | <i>UNHCR color palette viewer</i> |
|-------------------|-----------------------------------|

---

**Description**

Displays a color palette from UNHCR brand color

**Usage**

```
display_unhcr_pal(n = NULL, name)
```

**Arguments**

|      |                                                                                                                        |
|------|------------------------------------------------------------------------------------------------------------------------|
| n    | Number of different colors in the palette, minimum depending on palette (2), maximum depending on palette (5, 7 or 10) |
| name | A palette name                                                                                                         |

**Value**

No return value, called for side effects

**Examples**

```
display_unhcr_pal(3, "pal_unhcr")
```

---

|             |                         |
|-------------|-------------------------|
| import_lato | <i>Import Lato font</i> |
|-------------|-------------------------|

---

**Description**

Import Lato font for use in R graphic devices

**Usage**

```
import_lato()
```

**Value**

No return value, called for side effects

---

|                |                                                      |
|----------------|------------------------------------------------------|
| lato_installed | <i>Check if Lato font is installed in the system</i> |
|----------------|------------------------------------------------------|

---

**Description**

Verify if you have Lato font installed in your system

**Usage**

```
lato_installed()
```

**Value**

TRUE if Lato is installed in the system

---

|                     |                                   |
|---------------------|-----------------------------------|
| scale_color_unhcr_c | <i>UNHCR ggplot2 color scales</i> |
|---------------------|-----------------------------------|

---

**Description**

UNHCR ggplot2 color scales

**Usage**

```
scale_color_unhcr_c(
  ...,
  type = "sequential",
  palette = 1,
  direction = 1,
  na.value = "#E5E5E5",
  guide = "colourbar"
)
```

```
scale_color_unhcr_d(
  ...,
  type = "qualitative",
  palette = 1,
  direction = 1,
  nmax = NULL,
  order = NULL,
  na.value = "#E5E5E5"
)
```

```
scale_color_unhcr_b(
  ...,
```

```
    type = "qualitative",
    palette = 1,
    direction = 1,
    nmax = NULL,
    order = NULL,
    na.value = "#E5E5E5",
    guide = "coloursteps"
)
```

```
scale_colour_unhcr_c(
  ...,
  type = "sequential",
  palette = 1,
  direction = 1,
  na.value = "#E5E5E5",
  guide = "colourbar"
)
```

```
scale_colour_unhcr_d(
  ...,
  type = "qualitative",
  palette = 1,
  direction = 1,
  nmax = NULL,
  order = NULL,
  na.value = "#E5E5E5"
)
```

```
scale_colour_unhcr_b(
  ...,
  type = "qualitative",
  palette = 1,
  direction = 1,
  nmax = NULL,
  order = NULL,
  na.value = "#E5E5E5",
  guide = "coloursteps"
)
```

```
scale_fill_unhcr_c(
  ...,
  type = "sequential",
  palette = 1,
  direction = 1,
  na.value = "#E5E5E5",
  guide = "colourbar"
)
```

```

scale_fill_unhcr_d(
  ...,
  type = "qualitative",
  palette = 1,
  direction = 1,
  nmax = NULL,
  order = NULL,
  na.value = "#E5E5E5"
)

scale_fill_unhcr_b(
  ...,
  type = "qualitative",
  palette = 1,
  direction = 1,
  nmax = NULL,
  order = NULL,
  na.value = "#E5E5E5",
  guide = "coloursteps"
)

```

### Arguments

|           |                                                                                                                                                        |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| ...       | Other arguments passed on to <a href="#">discrete_scale</a> or <a href="#">continuous_scale</a> to control name, limits, breaks, labels and so forth   |
| type      | One of <code>"sequential"</code> , <code>"diverging"</code> or <code>"qualitative"</code>                                                              |
| palette   | If a string, will use that named palette. If a number, will index into the list of palettes of appropriate type                                        |
| direction | Sets the order of colors in the scale. If 1, the default, colors are as output by <a href="#">unhcr_pal()</a> . If -1, the order of colors is reversed |
| na.value  | Missing values will be replaced with this value.                                                                                                       |
| guide     | A function used to create a guide or its name. See <a href="#">guides()</a> for more information.                                                      |
| nmax      | Maximum number of different colors the palette should contain. If not provided, is calculated automatically from the data.                             |
| order     | Numeric vector listing the order in which the colors should be used. Default is <code>1:nmax</code> .                                                  |

### Value

A discrete, continuous or binned Scale object

### See Also

[gradient\\_n\\_pal](#)

## Examples

```
library(ggplot2)

data(msleep, package = "ggplot2")

ggplot(msleep, aes(vore, sleep_total, fill = vore)) +
  geom_boxplot() +
  scale_fill_unhcr_d(palette = 1, direction = -1)
```

---

 theme\_unhcr

*UNHCR ggplot2 theme*


---

## Description

theme\_unhcr provides a basic **UNHCR** theme to use in [ggplot2](#) commands.

## Usage

```
theme_unhcr(
  font_family = if (lato_installed()) "Lato" else "sans",
  font_size = 12,
  plot_title_size = rel(1.35),
  plot_title_margin = font_size,
  subtitle_size = font_size,
  subtitle_margin = font_size * 1.5,
  strip_text_size = rel(0.9),
  strip_text_face = "bold",
  strip_text_just = 0,
  caption_size = rel(0.7),
  caption_margin = font_size,
  axis_text = TRUE,
  axis_text_size = rel(0.9),
  axis_title = TRUE,
  axis_title_size = rel(0.9),
  axis = FALSE,
  axis_ticks = FALSE,
  grid = "XY",
  legend = TRUE,
  legend_text_size = rel(0.9),
  legend_title = FALSE,
  legend_title_size = rel(0.9),
  plot_margin = margin(font_size, font_size, font_size, font_size),
  plot_background = "#ffffff",
  void = FALSE
)
```

**Arguments**

|                   |                                                                                                                                                                                                                                                                |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| font_family       | Base font family "Lato". You need to have "Lato" font installed on your device in order to use it.                                                                                                                                                             |
| font_size         | Base font size in pt. Default to 12 pts.                                                                                                                                                                                                                       |
| plot_title_size   | Plot title font size. Default to font_size * 1.35.                                                                                                                                                                                                             |
| plot_title_margin | Plot title bottom margin. Default to font_size.                                                                                                                                                                                                                |
| subtitle_size     | Plot subtitle font size. Default to font_size.                                                                                                                                                                                                                 |
| subtitle_margin   | Plot subtitle bottom margin. Default to font_size * 1.5.                                                                                                                                                                                                       |
| strip_text_size   | Facet label font size. Default to font_size * 0.9.                                                                                                                                                                                                             |
| strip_text_face   | Facet label font face. Default to "bold".                                                                                                                                                                                                                      |
| strip_text_just   | Facet label justification. Default to 0.                                                                                                                                                                                                                       |
| caption_size      | Caption font size. Default to font_size * 0.7.                                                                                                                                                                                                                 |
| caption_margin    | Caption top margin. Default to font_size.                                                                                                                                                                                                                      |
| axis_text         | Logical TRUE/FALSE or xy. Turn on and off axis label. Use x or y to have only the correspondent active. Default to TRUE.                                                                                                                                       |
| axis_text_size    | Axis label font size. Default to font_size * 0.9.                                                                                                                                                                                                              |
| axis_title        | Logical TRUE/FALSE or xy. Turn on and off axis title. Use x or y to have only the correspondent active. Default to TRUE.                                                                                                                                       |
| axis_title_size   | Axis title font size. Default to font_size * 0.9.                                                                                                                                                                                                              |
| axis              | Logical TRUE/FALSE or xy. Turn on and off axis. Use x or y to have only the correspondent axis active. Don't forget to review the expand argument of the scale_x_*/scale_y_* to avoid spacing between the axis and the baseline of the plot. Default to FALSE. |
| axis_ticks        | Logical TRUE/FALSE or xy. Turn on and off axis ticks. Use x or y to have only the correspondent axis ticks active. Default to FALSE.                                                                                                                           |
| grid              | Logical TRUE/FALSE or a combination of X or x and Y or y. Turn on and off panel grids. Use XorYfor.                                                                                                                                                            |
| legend            | Logical TRUE/FALSE. Turn on and off the legend. Default to TRUE.                                                                                                                                                                                               |
| legend_text_size  | Legend key font size. Default to font_size * 0.9.                                                                                                                                                                                                              |
| legend_title      | Logical TRUE/FALSE. Turn on and off the legend title. Default to FALSE.                                                                                                                                                                                        |
| legend_title_size | Legend title font size. Default to font_size * 0.9.                                                                                                                                                                                                            |
| plot_margin       | Plot margin (see <a href="#">margin</a> ). Default to ggplot2::margin(font_size, font_size, font_size, font_size).                                                                                                                                             |
| plot_background   | Plot background. Put "transparent" for no background color. Default to "white".                                                                                                                                                                                |
| void              | Logical TRUE/FALSE. If TRUE, all grid lines, ticks and axes are removed. Default to FALSE.                                                                                                                                                                     |

**Value**

A ggplot2 theme object, the theme style.

**See Also**

[theme\\_minimal](#), [element\\_text](#), [ggtext::element\\_textbox\\_simple](#)

**Examples**

```
## Not run:

library(ggplot2)

data(mpg, package = "ggplot2")

ggplot(mpg, aes(displ, hwy)) +
  geom_point() +
  theme_unhcr()

## End(Not run)
```

---

unhcr\_pal

*UNHCR color palettes*


---

**Description**

Creates a color palette from UNHCR branding

**Usage**

```
unhcr_pal(n = NULL, name, ...)
```

**Arguments**

|      |                                                                                                                        |
|------|------------------------------------------------------------------------------------------------------------------------|
| n    | Number of different colors in the palette, minimum depending on palette (2), maximum depending on palette (5, 7 or 10) |
| name | A palette name                                                                                                         |
| ...  | Additional arguments for <a href="#">grDevices::colorRampPalette</a>                                                   |

**Value**

A character vector, the palette hex color codes.

**Examples**

```
unhcr_pal(3, "pal_unhcr")
unhcr_pal(3, "pal_blue")
unhcr_pal(5, "pal_yellow")
unhcr_pal(12, "pal_red")
```

# Index

continuous\_scale, [6](#)

discrete\_scale, [6](#)

display\_unhcr\_all, [2](#)

display\_unhcr\_pal, [3](#)

element\_text, [9](#)

ggplot2, [7](#)

ggtext::element\_textbox\_simple, [9](#)

gradient\_n\_pal, [6](#)

grDevices::colorRampPalette, [9](#)

guides(), [6](#)

import\_lato, [3](#)

lato\_installed, [4](#)

margin, [8](#)

scale\_color\_unhcr\_b  
    (scale\_color\_unhcr\_c), [4](#)

scale\_color\_unhcr\_c, [4](#)

scale\_color\_unhcr\_d  
    (scale\_color\_unhcr\_c), [4](#)

scale\_colour\_unhcr\_b  
    (scale\_color\_unhcr\_c), [4](#)

scale\_colour\_unhcr\_c  
    (scale\_color\_unhcr\_c), [4](#)

scale\_colour\_unhcr\_d  
    (scale\_color\_unhcr\_c), [4](#)

scale\_fill\_unhcr\_b  
    (scale\_color\_unhcr\_c), [4](#)

scale\_fill\_unhcr\_c  
    (scale\_color\_unhcr\_c), [4](#)

scale\_fill\_unhcr\_d  
    (scale\_color\_unhcr\_c), [4](#)

theme\_minimal, [9](#)

theme\_unhcr, [7](#)

unhcr\_pal, [9](#)

unhcr\_pal(), [6](#)