

# Package: tinythemes (via r-universe)

August 29, 2024

**Type** Package

**Title** Lightweight Repackaging of 'Themes' for 'ggplot2'

**Version** 0.0.2

**Date** 2024-03-04

**Description** Themes for 'ggplot2' are a convenient way to style plots. The 'hrbrthemes' package contains a particularly nice one, but brings along a significant tail of dependencies. So this (currently experimental) package brings along just the 'theme\_ipsum\_rc' theme using the 'Roboto' 'Condensed' font. Should the font not be installed on your system, see the help in the package 'hrbrthemes' on how to install 'Roboto Condensed'.

**URL** <https://github.com/eddelbuettel/tinythemes>

**BugReports** <https://github.com/eddelbuettel/tinythemes/issues>

**License** MIT + file LICENSE

**Imports** ggplot2

**Suggests** hrbrthemes, patchwork

**RoxygenNote** 7.3.1

**Encoding** UTF-8

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

**RemoteUrl** <https://github.com/eddelbuettel/tinythemes>

**RemoteRef** HEAD

**RemoteSha** cebb89f897cff79277ed86d7aafbee08f2d73b6d

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|--------------------|--|
| tinythemes-package | <i>Lightweight Repackaging of 'Themes' for 'ggplot2'</i> |
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### Description

Themes for 'ggplot2' are a convenient way to style plots. The 'hrbrthemes' package contains a particularly nice one, but brings along a significant tail of dependencies. So this (currently experimental) package brings along just the 'theme\_ipsum\_rc' theme using the 'Roboto' 'Condensed' font. Should the font not be installed on your system, see the help in the package 'hrbrthemes' on how to install 'Roboto Condensed'.

### Package Content

Index: This package was not yet installed at build time.

### Maintainer

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|                |   |
|----------------|---|
| theme_ipsum_rc | <i>A precise &amp; pristine <a href="#">ggplot2</a> theme with opinionated defaults and an emphasis on typography</i> |
|----------------|---|

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### Description

You should consult the documentation of the **hrbrthemes** package if the font does not load properly. There is an option `hrbrthemes.loadfonts` which – if set to `TRUE` – will call `extrafont::loadfonts()` to register non-core fonts with R PDF & PostScript devices. If you are running under Windows, the package calls the same function to register non-core fonts with the Windows graphics device.

### Usage

```
theme_ipsum_rc(
  base_family = "Roboto Condensed",
  base_size = 11.5,
  plot_title_family = base_family,
  plot_title_size = 18,
  plot_title_face = "bold",
  plot_title_margin = 10,
  subtitle_family = if (.Platform$OS.type == "windows") "Roboto Condensed" else
```

```

    "Roboto Condensed Light",
    subtitle_size = 13,
    subtitle_face = "plain",
    subtitle_margin = 15,
    strip_text_family = base_family,
    strip_text_size = 12,
    strip_text_face = "plain",
    caption_family = if (.Platform$OS.type == "windows") "Roboto Condensed" else
      "Roboto Condensed Light",
    caption_size = 9,
    caption_face = "plain",
    caption_margin = 10,
    axis_text_size = base_size,
    axis_title_family = base_family,
    axis_title_size = 9,
    axis_title_face = "plain",
    axis_title_just = "rt",
    plot_margin = margin(30, 30, 30, 30),
    panel_spacing = grid::unit(2, "lines"),
    grid_col = "#cccccc",
    grid = TRUE,
    axis_col = "#cccccc",
    axis = FALSE,
    ticks = FALSE
  )

```

## Arguments

base\_family, base\_size  
                                   base font family and size

plot\_title\_family,                plot\_title\_face,                plot\_title\_size,  
 plot\_title\_margin  
                                   plot title family, face, size and margin

subtitle\_family, subtitle\_face, subtitle\_size  
                                   plot subtitle family, face and size

subtitle\_margin  
                                   plot subtitle margin bottom (single numeric value)

strip\_text\_family, strip\_text\_face, strip\_text\_size  
                                   facet label font family, face and size

caption\_family, caption\_face, caption\_size, caption\_margin  
                                   plot caption family, face, size and margin

axis\_text\_size  font size of axis text

axis\_title\_family, axis\_title\_face, axis\_title\_size  
                                   axis title font family, face and size

axis\_title\_just  
                                   axis title font justification one of [blmcr]t]

plot\_margin      plot margin (specify with [ggplot2::margin](#))

|               |  |
|---------------|--|
| panel_spacing | panel spacing (use unit())                               |
| grid_col      | grid color   |
| grid          | panel grid (TRUE, FALSE, or a combination of X, x, Y, y) |
| axis_col      | axis color   |
| axis          | add x or y axes? TRUE, FALSE, "xy"                       |
| ticks         | ticks if TRUE add ticks                                  |

### Value

A [ggplot2](#)-compatible 'theme' data structure is returned for use in standard [ggplot2](#) usage.

### Why Roboto Condensed?

It is free, has tolerable kerning pairs and multiple weights. It is also different than Arial Narrow and the fonts most folks use in [ggplot2](#) charts.

### Examples

```
if (interactive()) { # default postscript device used in tests does not have font
library(ggplot2)

# seminal scatterplot
ggplot(mtcars, aes(mpg, wt)) +
  geom_point() +
  labs(x="Fuel efficiency (mpg)", y="Weight (tons)",
        title="Seminal ggplot2 scatterplot example",
        subtitle="A plot that is only useful for demonstration purposes",
        caption="Brought to you by the letter 'g'") +
  theme_ipsum_rc()

# seminal bar chart

# note: make this font_rc on Windows
if (Sys.info()[["sysname"]] == "Windows")
  update_geom_font_defaults(family=font_rc_light)

data.frame(table(mpg$class)) |>
  ggplot(aes(x = Var1, y = Freq)) +
  geom_col() +
  geom_text(aes(label = Freq, nudge_y=3) +
    labs(x="Fuel efficiency (mpg)", y="Weight (tons)",
          title="Seminal ggplot2 bar chart example",
          subtitle="A plot that is only useful for demonstration purposes",
          caption="Brought to you by the letter 'g'") +
    theme_ipsum_rc(grid="Y") +
    theme(axis.text.y=element_blank())
}
```

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