

# Package ‘tinythemes’

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**Type** Package

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

**Version** 0.0.3

**Date** 2025-03-29

**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** 7.3.2

**Encoding** UTF-8

**NeedsCompilation** no

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**Repository** CRAN

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## Contents

|                              |          |
|------------------------------|----------|
| tinythemes-package . . . . . | 2        |
| theme_ipsum_rc . . . . .     | 2        |
| <b>Index</b>                 | <b>6</b> |

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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 of help topics:

|                    |                                                                                            |
|--------------------|--------------------------------------------------------------------------------------------|
| theme_ipsum_rc     | A precise & pristine ggplot2 theme with opinionated defaults and an emphasis on typography |
| tinythemes-package | Lightweight Repackaging of 'Themes' for 'ggplot2'                                          |

## Maintainer

Dirk Eddebuettel <edd@debian.org>

## Author(s)

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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

|                                                                   |                                                                           |
|-------------------------------------------------------------------|---------------------------------------------------------------------------|
| <code>base_family, base_size</code>                               | base font family and size                                                 |
| <code>plot_title_family,</code><br><code>plot_title_margin</code> | <code>plot_title_face,</code><br>plot title family, face, size and margin |
| <code>plot_title_size,</code><br><code>plot_title_size</code>     | plot title size                                                           |
| <code>subtitle_family,</code><br><code>subtitle_size</code>       | plot subtitle family, face and size                                       |
| <code>strip_text_family,</code><br><code>strip_text_size</code>   | plot subtitle margin bottom (single numeric value)                        |
| <code>strip_text_face,</code><br><code>strip_text_size</code>     | 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 <a href="#">margin</a> )       |
| panel_spacing                                              | panel spacing (use <code>unit()</code> )                 |
| 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)

  ggplot(table(mpg$class), 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())
}
```

# Index

\* **package**

tinythemes-package, [2](#)

ggplot2, [2](#), [4](#)

hrbrthemes, [2](#)

margin, [4](#)

theme\_ipsum\_rc, [2](#)

tinythemes (tinythemes-package), [2](#)

tinythemes-package, [2](#)