

# Package ‘add2ggplot’

October 12, 2022

**Title** Add to 'ggplot2'

**Version** 0.3.0

**Description** Create 'ggplot2' themes and color palettes.

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**Imports** ggplot2, magrittr, RColorBrewer, magick, zeallot

**URL** <https://github.com/JiaxiangBU/add2ggplot>

**BugReports** <https://github.com/JiaxiangBU/add2ggplot/issues>

**RoxygenNote** 6.1.1

**Suggests** knitr, rmarkdown

**VignetteBuilder** knitr

**NeedsCompilation** no

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**Repository** CRAN

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add_logo	<i>Add a logo into an image</i>
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## Description

Add a logo into an image

## Usage

```
add_logo(plot_path, logo_path, logo_position = c("top right", "top left",
"bottom right", "bottom left"), logo_scale = 10)
```

## Arguments

plot_path	image path.
logo_path	logo image path.
logo_position	the position of logo within the image.
logo_scale	the size of logo relative to the image.

## Value

Image.

## Examples

```
add_logo(
  plot_path = system.file("extdata", "logo.png", package = "add2ggplot"),
  logo_path = system.file("extdata", "jiaxiang.png", package = "add2ggplot"),
  logo_position = "bottom right",
  logo_scale = 5
)
```

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<code>get_width_height</code>	<i>Get image width and height</i>
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**Description**

Get image width and height

**Usage**

```
get_width_height(img)
```

**Arguments**

<code>img</code>	The path of image
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<code>grey_one</code>	<i>The chosen color in grey</i>
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**Description**

The chosen color in grey

**Usage**

```
grey_one
```

**Format**

An object of class character of length 1.

---

<code>grey_two</code>	<i>The chosen color in grey</i>
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---

**Description**

The chosen color in grey

**Usage**

```
grey_two
```

**Format**

An object of class character of length 1.

---

`more_colors`*Use a palette with 24 colors*

---

**Description**

`more_colors` helps users to build a more robust palette serving ggplot objects.

**Usage**

```
more_colors(n = 24)
```

**Arguments**

`n` the max number of color you choose

**Value**

The vector of the colors you choose

**Author(s)**

Jiaxiang Li

**Examples**

```
more_colors(n = 12)
more_colors(n = 24)
more_colors(n = 36)
```

---

`red_one`*The chosen color in red*

---

**Description**

The chosen color in red

**Usage**

```
red_one
```

**Format**

An object of class character of length 1.

---

red_two	<i>The chosen color in red</i>
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---

**Description**

The chosen color in red

**Usage**

```
red_two
```

**Format**

An object of class character of length 1.

---

theme_classic2	<i>Another classic theme</i>
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**Description**

# Inspired by <https://www.datacamp.com/courses/intermediate-data-visualization-with-ggplot2>

**Usage**

```
theme_classic2()
```

**Value**

ggplot object.

**Examples**

```
datasets::mtcars %>%  
  ggplot2::ggplot(ggplot2::aes(mpg, disp)) +  
  ggplot2::geom_point() +  
  theme_classic2()
```

---

theme_du_bois	<i>Use Du Bois's theme</i>
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**Description**

theme\_du\_bois is one of ggplot themes for plotting.

**Usage**

```
theme_du_bois(font_name = "")
```

**Arguments**

font\_name      A Character.

**Details**

The function I developed originates from this [GitHub Repository](#) by the statistician Matthew A. He reproduces the sort of images originated from [W.E.B. Du Bois](#).

**Value**

The function to use + in the ggplot workflow.

**Author(s)**

Jiaxiang Li

**Examples**

```
datasets::mtcars %>%  
  ggplot2::ggplot(ggplot2::aes(mpg, disp)) +  
  ggplot2::geom_point() +  
  theme_du_bois()
```

---

theme_grey_and_red	<i>Use the ggplot theme in grey and red</i>
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**Description**

Use the ggplot theme in grey and red

**Usage**

```
theme_grey_and_red()
```

**Value**

The function to use + in the ggplot workflow.

**Author(s)**

Jiaxiang Li

**Examples**

```
datasets::mtcars %>%  
  ggplot2::ggplot(ggplot2::aes(mpg, disp)) +  
  ggplot2::geom_point() +  
  theme_grey_and_red()
```

---

theme\_ilo

*One ggplot theme*

---

**Description**

One ggplot theme

**Usage**

```
theme_ilo()
```

**Value**

The function to use + in the ggplot workflow.

**Examples**

```
datasets::mtcars %>%  
  ggplot2::ggplot(ggplot2::aes(mpg, disp)) +  
  ggplot2::geom_point() +  
  theme_ilo()
```

---

theme_white	<i>A ggplot theme with a white background.</i>
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---

**Description**

A ggplot theme with a white background.

**Usage**

```
theme_white()
```

**Value**

The function to use + in the ggplot workflow.

**Examples**

```
datasets::mtcars %>%  
  ggplot2::ggplot(ggplot2::aes(mpg, disp)) +  
  ggplot2::geom_point() +  
  theme_white()
```

---

white_one	<i>The chosen color in white</i>
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---

**Description**

The chosen color in white

**Usage**

```
white_one
```

**Format**

An object of class character of length 1.



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