

# Package ‘ggplotify’

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**Title** Convert Plot to 'grob' or 'ggplot' Object

**Version** 0.0.5

**Description**

Convert plot function call (using expression or formula) to 'grob' or 'ggplot' object that compatible to the 'grid' and 'ggplot2' ecosystem. With this package, we are able to e.g. using 'cowplot' to align plots produced by 'base' graphics, 'ComplexHeatmap', 'eulerr', 'grid', 'lattice', 'magick', 'pheatmap', 'vcd' etc. by converting them to 'ggplot' objects.

**Depends** R (>= 3.4.0)

**Imports** ggplot2, graphics, grDevices, grid, gridGraphics, rvcheck

**Suggests** colorspace, cowplot, ggimage, knitr, lattice, prettydoc, vcd

**VignetteBuilder** knitr

**ByteCompile** true

**License** Artistic-2.0

**URL** <https://github.com/GuangchuangYu/ggplotify>

**BugReports** <https://github.com/GuangchuangYu/ggplotify/issues>

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.0.2

**NeedsCompilation** no

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**Repository** CRAN

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as.ggplot	<i>as.ggplot</i>
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**Description**

convert plot to ggplot object

**Usage**

```
as.ggplot(plot, scale = 1, hjust = 0, vjust = 0)
```

**Arguments**

plot	base or grid plot, or graphic generated by ggplot, lattice, etc.
scale	scale of the plot to be drawn
hjust	horizontal adjustment
vjust	vertical adjustment

**Value**

ggplot object

**Author(s)**

Guangchuang Yu

**Examples**

```
as.ggplot(~barplot(1:10))
```

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as.grob	<i>as.grob</i>
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**Description**

convert a plot to grob object

### Usage

```
as.grob(plot)

## S3 method for class 'expression'
as.grob(plot)

## S3 method for class 'formula'
as.grob(plot)

## S3 method for class '`function`'
as.grob(plot)

## S3 method for class 'ggplot'
as.grob(plot)

## S3 method for class 'meme'
as.grob(plot)

## S3 method for class 'trellis'
as.grob(plot)

## S3 method for class 'eulergram'
as.grob(plot)

## S3 method for class 'Heatmap'
as.grob(plot)

## S3 method for class 'upset'
as.grob(plot)

## S3 method for class 'pheatmap'
as.grob(plot)

## S3 method for class 'grob'
as.grob(plot)
```

### Arguments

plot                    base or grid plot, or graphic object generated by ggplot, lattice, etc.

### Value

grob object

### Author(s)

guangchuang yu

**Examples**

```
as.grob(~barplot(1:10))
```

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base2grob

*base2grob*

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**Description**

convert base plot to grob object

**Usage**

```
base2grob(x)
```

**Arguments**

x expression or formula of base plot function call, e.g. `expression(pie(1:5))` or `~plot(1:10, 1:10)`; or a function that plots to an R graphics device when called, e.g. `function() plot(sqrt)`

**Value**

grob object

**Author(s)**

Guangchuang Yu

**Examples**

```
base2grob(~plot(rnorm(10)))
```

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grid2grob

*grid2grob*

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**Description**

convert grid plot to grob object

**Usage**

```
grid2grob(plot_call)
```

**Arguments**

plot\_call plot function call

*grid2grob*

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**Value**

grob object

**Author(s)**

Guangchuang Yu

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