

# Package ‘hexSticker’

March 5, 2018

**Title** Create Hexagon Sticker in R

**Version** 0.4.3

**Description** Helper functions for creating reproducible hexagon sticker purely in R.

**Depends** R (>= 3.3.0)

**Imports** ggimage, ggplot2, grDevices, hexbin, showtext, stats, sysfonts

**License** Artistic-2.0

**ByteCompile** true

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

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

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 6.0.1

**NeedsCompilation** no

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**Repository** CRAN

**Date/Publication** 2018-03-05 04:24:53 UTC

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geom_hexagon	<i>geom_hexagon</i>
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**Description**

geom layer of hexagon

**Usage**

```
geom_hexagon(size = 1.2, fill = "#1881C2", color = "#87B13F")
```

**Arguments**

size	size of border
fill	color of hexagon
color	color of border

**Value**

hexagon layer

**Author(s)**

guangchuang yu

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geom_pkgname	<i>geom_pkgname</i>
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**Description**

add package name to sticker

**Usage**

```
geom_pkgname(package, x = 1, y = 1.4, color = "#FFFFFF",
  family = "Aller_Rg", size = 8, ...)
```

**Arguments**

package	package name
x	x position
y	y position
color	color
family	font family
size	font size
...	addition parameters passed to geom_text()

**Value**

package name layer

**Author(s)**

guangchuang yu

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geom\_url

*geom\_url*

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**Description**

add url at the lower border of the sticker

**Usage**

```
geom_url(url = "www.bioconductor.org", x = 1, y = 0.08,  
         family = "Aller_Rg", size = 1.5, color = "black", angle = 30,  
         hjust = 0, ...)
```

**Arguments**

url	url
x	x position of url
y	y position of url
family	font family
size	size of url
color	color of url
angle	angle of url, default is 30
hjust	horizontal adjustment
...	additional parameters to geom_text

**Value**

geom layer

**Author(s)**

guangchuang yu

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hexagon	<i>hexagon</i>
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**Description**

empty hexagon

**Usage**

```
hexagon(size = 1.2, fill = "#1881C2", color = "#87B13F")
```

**Arguments**

size	size of border
fill	color of hexagon
color	border color of hexagon

**Value**

hexagon

**Author(s)**

guangchuang yu

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save_sticker	<i>save_sticker</i>
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**Description**

save sticker to file

**Usage**

```
save_sticker(filename, sticker = last_plot())
```

**Arguments**

filename	file name
sticker	sticker

**Author(s)**

guangchuang yu

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sticker	<i>sticker</i>
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## Description

create sticker in R

## Usage

```
sticker(subplot, s_x = 0.8, s_y = 0.75, s_width = 0.4, s_height = 0.5,
        package, p_x = 1, p_y = 1.4, p_color = "#FFFFFF",
        p_family = "Aller_Rg", p_size = 8, h_size = 1.2, h_fill = "#1881C2",
        h_color = "#87B13F", spotlight = FALSE, l_x = 1, l_y = 0.5,
        l_width = 3, l_height = 3, l_alpha = 0.4, url = "", u_x = 1,
        u_y = 0.08, u_color = "black", u_family = "Aller_Rg", u_size = 1.5,
        filename = paste0(package, ".png"))
```

## Arguments

subplot	subplot
s_x	x position for subplot
s_y	y position for subplot
s_width	width for subplot
s_height	height for subplot
package	package name
p_x	x position for package name
p_y	y position for package name
p_color	color for package name
p_family	font family for package name
p_size	font size for package name
h_size	size for hexagon border
h_fill	color to fill hexagon
h_color	color for hexagon boder
spotlight	whether add spotlight
l_x	x position for spotlight
l_y	y positioin for spotlight
l_width	width for spotlight
l_height	height for spotlight
l_alpha	maximum alpha for spotlight
url	url at lower border
u_x	x position for url

u_y	y position for url
u_color	color for url
u_family	font family for url
u_size	text size for url
filename	filename to save sticker

**Value**

gg object

**Author(s)**

guangchuang yu

**Examples**

```
library(ggplot2)
p <- ggplot(aes(x = mpg, y = wt), data = mtcars) + geom_point()
p <- p + theme_void() + theme_transparent()
sticker(p, package="hexSticker")
```

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sticker\_dev

*sticker\_dev*

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**Description**

open dev for sticker

**Usage**

```
sticker_dev()
```

**Value**

new dev

**Author(s)**

guangchuang yu

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<code>theme_sticker</code>	<i>theme_sticker</i>
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**Description**

sticker theme

**Usage**

`theme_sticker(...)`

**Arguments**

... additional parameters passed to theme()

**Value**

theme for sticker

**Author(s)**

guangchuang yu

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