

# Package ‘shadowtext’

August 24, 2025

**Title** Shadow Text Grob and Layer

**Version** 0.1.6

**Description** Implement shadowtextGrob() for 'grid' and geom\_shadowtext() layer for 'ggplot2'.  
These functions create/draw text grob with background shadow.

**Depends** R (>= 3.4.0)

**Imports** ggiraph, ggplot2, grid, scales, S7, purrr, rlang

**Suggests** knitr, rmarkdown, prettydoc

**VignetteBuilder** knitr

**License** Artistic-2.0

**Encoding** UTF-8

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

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

**RoxygenNote** 7.3.2

**NeedsCompilation** no

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**Repository** CRAN

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## Contents

element_shadowtext . . . . .	2
GeomInteractiveShadowtext . . . . .	3
GeomShadowText . . . . .	3
geom_shadowtext . . . . .	4
geom_shadowtext_interactive . . . . .	5
shadowtextGrob . . . . .	5

<b>Index</b>	<b>8</b>
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element\_shadowtext      *element\_shadowtext*

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### Description

shadown text element for ggplot theme system

### Usage

```
element_shadowtext(
  family = NULL,
  face = NULL,
  colour = NULL,
  size = NULL,
  hjust = NULL,
  vjust = NULL,
  angle = NULL,
  lineheight = NULL,
  color = NULL,
  margin = NULL,
  debug = NULL,
  bg.colour = "black",
  bg.color = NULL,
  bg.r = 0.1,
  inherit.blank = FALSE
)
```

### Arguments

family	Font family
face	Font face ("plain", "italic", "bold", "bold.italic")
colour	text colour
size	text size in pts
hjust	horizontal justification (in [0, 1])
vjust	vertical justification (in [0, 1])
angle	text angle
lineheight	line height
color	aliase to colour
margin	margins around the text, see also 'margin()' for more details
debug	if 'TRUE', aids visual debugging by drawing a solic rectangle behind the complete text area, and a point where each label is anchored.
bg.colour	the background colour of text, default is black.
bg.color	the alias of bg.colour,
bg.r	background ratio of shadow text.
inherit.blank	whether inherit 'element_blank'

**Value**

element\_shadowtext object

**Author(s)**

Guangchuang Yu and xmarti6@github

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GeomInteractiveShadowtext  
*ggproto classes for ggiraph*

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**Description**

ggproto classes for ggiraph

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GeomShadowText      *GeomShadowText*

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**Description**

ShadowText Geom

**Usage**

GeomShadowText

**Format**

An object of class GeomShadowText (inherits from Geom, ggproto, gg) of length 7.

**Author(s)**

Guangchuang Yu

geom\_shadowtext      *geom\_shadowtext*

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### Description

a shadow version of geom\_text

### Usage

```
geom_shadowtext(  
  mapping = NULL,  
  data = NULL,  
  stat = "identity",  
  position = "identity",  
  ...,  
  parse = FALSE,  
  nudge_x = 0,  
  nudge_y = 0,  
  check_overlap = FALSE,  
  na.rm = FALSE,  
  show.legend = NA,  
  inherit.aes = TRUE  
)
```

### Arguments

mapping	aesthetic mapping
data	the data to be displayed
stat	statistical transformation
position	position adjustment
...	additional parameter
parse	whether parse text as expression
nudge_x	horizontal adjustment of text
nudge_y	vertical adjustment of text
check_overlap	whether check overlap
na.rm	whether remove NA values
show.legend	whether show legend
inherit.aes	whether inherit aes from ggplot

### Value

layer

**Author(s)**

guangchuang yu

**Examples**

```
library(ggplot2)
d <- data.frame(x = rnorm(3), y=rnorm(3), label = c('hello', 'world', '!!!'))
ggplot(d, aes(x,y)) + geom_shadowtext(aes(label=label, color=label), bg.colour='firebrick')
```

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geom\_shadowtext\_interactive

*Create interactive shadow text*

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**Description**

The geometry is based on ‘geom\_shadowtext()’. See the documentation for those functions for more details.

**Usage**

```
geom_shadowtext_interactive(...)
```

**Arguments**

... see also the parameters of ‘geom\_shadowtext()’ of ‘shadowtext’

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shadowtextGrob

*shadowtextGrob*

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**Description**

create and draw text

**Usage**

```
shadowtextGrob(
  label,
  x = unit(0.5, "npc"),
  y = unit(0.5, "npc"),
  just = "centre",
  hjust = NULL,
  vjust = NULL,
  rot = 0,
  check.overlap = FALSE,
  default.units = "npc",
  name = NULL,
```

```

gp = gpar(col = "white"),
vp = NULL,
bg.colour = "black",
bg.r = 0.1
)

grid.shadowtext(
  label,
  x = unit(0.5, "npc"),
  y = unit(0.5, "npc"),
  just = "centre",
  hjust = NULL,
  vjust = NULL,
  rot = 0,
  check.overlap = FALSE,
  default.units = "npc",
  name = NULL,
  gp = gpar(col = "white"),
  vp = NULL,
  bg.colour = "black",
  bg.r = 0.1,
  draw = TRUE
)

```

### Arguments

label	text labels
x	x position
y	y position
just	The justification of the text, can be 'left', 'right', 'center', 'bottom' and 'top'
hjust	horizontal adjustment
vjust	vertical adjustment
rot	angle to rotate the text
check.overlap	whether check for and omit overlapping text
default.units	default unit of x and y
name	identifier
gp	gpar object
vp	viewport object
bg.colour	background color of shadow text
bg.r	background ratio of shadow text
draw	whether draw the grob

### Value

grob object

**Author(s)**

guangchuang yu

# Index

## \* datasets

GeomInteractiveShadowtext, 3

GeomShadowText, 3

element\_shadowtext, 2

geom\_shadowtext, 4

geom\_shadowtext\_interactive, 5

GeomInteractiveShadowtext, 3

GeomShadowText, 3

GeomShadowtext (GeomShadowText), 3

grid\_shadowtext (shadowtextGrob), 5

shadowtextGrob, 5