

# Package ‘shadowtext’

September 19, 2021

**Title** Shadow Text Grob and Layer

**Version** 0.0.9

**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** ggplot2, grid, scales

**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** 7.1.1

**NeedsCompilation** no

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**Repository** CRAN

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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,
  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. |
| inherit.blank | whether inherit 'element_blank'  |

### Value

element\_shadowtext object

**Author(s)**

Guangchuang Yu and xmarti6@github

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|                |                       |
|----------------|-----------------------|
| GeomShadowText | <i>GeomShadowText</i> |
|----------------|-----------------------|

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**Description**

ShadowText Geom

**Usage**

GeomShadowText

**Format**

An object of class GeomShadowText (inherits from Geom, ggproto, gg) of length 5.

**Author(s)**

Guangchuang Yu

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|                 |                        |
|-----------------|------------------------|
| geom_shadowtext | <i>geom_shadowtext</i> |
|-----------------|------------------------|

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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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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

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