

Element functions

element_text()

```
theme(text=element_text(
  family = "x", #字型
  #windowsFonts() 查看可用字型
  face = "x" #字型粗體或斜體
  #("plain", "italic", "bold",
  "bold.italic" )
  colour = "x", #字體顏色
  size = x, #字體大小
  hjust = [0,1] ,
  #水平對齊[0.1](0=left, 1=right)
  vjust = [0,1] ,
  #垂直對齊[0.1](0=bottom, 1=top)
  angle = x, #角度(0~360)
  lineheight = x, #行高
  Margin #間距
  #margin(上, 右, 下, 左, "cm"),
```

element_line()

```
element_line(
  colour = "x", #框線顏色
  size = x #框線寬度
  linetype = "x", #框線樣式
  整數 (0:8)
  名稱 ("blank", "solid", "dashed",
  "dotted", "dotted",
  "longdash", "twodash")
  lineend = "x", #線端點樣式
  名稱("round", "butt", "square")
```

Arrow

箭頭規格: arrow()

element_rect()

```
element_rect(
  colour = "x", #框線顏色
  fill = "x", #填充顏色
  Size = x, #框線寬度
  Linetype = x #框線樣式
)
```

element_blank()

消除元素無參數

Note.

在具有兩個組件的元素中，指定的方法是通過在末尾添加.x或.y。
例如Axis.line.y將僅更改"Y"軸線。
如果未指定（例如axis.line），則將更改兩個元素（x和y）。

Plotelements

- 1 **plot.title**
element_text()
- 2 **plot.subtitle**
element_text()
- 3 **plot.tag**
element_text()
plot.tag.position
"topleft", "top", "topright",
"left", "right", "bottomleft",
"bottom", "bottomright" or a
coordinate
- 4 **plot.background**
element_rect()
- 5 **plot.caption**
element_text()
- 6 **plot.margin**
margin()

Panelements

- 7 **panel.border**
element_rect()
- 8 **panel.background**
element_rect()
- 9 **panel.grid.minor**
element_line()
- 10 **panel.grid.major**
element_line()
- 11 **aspect.ratio**
numeric

Facetelements

- 11 **panel.spacing**
unit()
- 12 **strip.background**
element_rect()
- 13 **strip.text**
element_text()

Legendelements

- 14 **legend.background**
element_rect()
- 15 **legend.key**
element_rect()
- 16 **legend.title**
element_text()
legend.title.align
Numeric between 0 to 1,
where: 0=left, 1=right
- 17 **legend.text**
element_text()
legend.text.align
Numeric between 0 to 1where:
0=left, 1=right
- 18 **legend.margin**
margin()
- 19 **legend.position**
"none", "left", "right", "bottom", "top",
or two-element numericvector

Axiselements








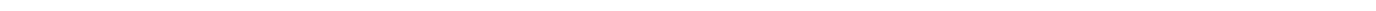
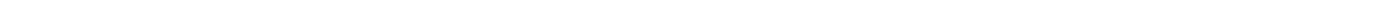
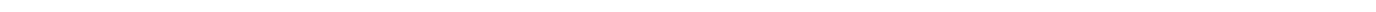
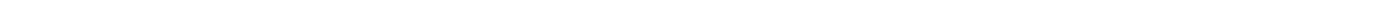
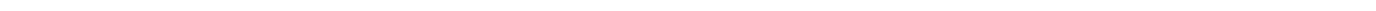
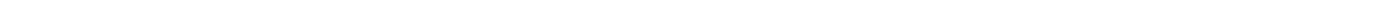
- 19 **axis.line**
element_line()
- 20 **axis.ticks**
element_line()
axis.ticks.length
unit()
- 21 **axis.text**
element_text()
- 22 **axis.title**
element_text()

Global

These affect all elements of same type in the plot. Useful to definedefaults.

text element_text()	line element_text()
rect element_rect()	title element_text()

Line type in ggplot2

- 1 
- 2 
- 3 
- 4 
- 5 
- 6 
- 7 
- 8 
- 9 
- 10 
- 11 
- 12 
- 13 

查看657種 顏色的完整清單 colors()

white	aliceblue	antiquewhite	antiquewhite1	antiquewhite2
antiquewhite3	antiquewhite4	aquamarine	aquamarine1	aquamarine2
aquamarine3	aquamarine4	azure	azure1	azure2
azure3	azure4	beige	bisque	bisque1
bisque2	bisque3	bisque4		blanchedalmond
blue	blue1	blue2	blue3	blue4
blueviolet	brown	brown1	brown2	brown3
brown4	burlywood	burlywood1	burlywood2	burlywood3
burlywood4	cadetblue	cadetblue1	cadetblue2	cadetblue3
cadetblue4	chartreuse	chartreuse1	chartreuse2	chartreuse3
chartreuse4	chocolate	chocolate1	chocolate2	chocolate3
chocolate4	coral	coral1	coral2	coral3
coral4	cornflowerblue	cornsilk	cornsilk1	cornsilk2
cornsilk3	cornsilk4	cyan	cyan1	cyan2
cyan3	cyan4	darkblue	darkcyan	darkgoldenrod
darkgoldenrod1	darkgoldenrod2	darkgoldenrod3	darkgoldenrod4	darkgray
darkgreen	darkgrey	darkkhaki	darkmagenta	darkolivegreen
darkolivegreen1	darkolivegreen2	darkolivegreen3	darkolivegreen4	darkorange
darkorange1	darkorange2	darkorange3	darkorange4	darkorchid
darkorchid1	darkorchid2	darkorchid3	darkorchid4	darkred
darksalmon	darkseagreen	darkseagreen1	darkseagreen2	darkseagreen3
darkseagreen4	darkslateblue	darkslategray	darkslategray1	darkslategray2
darkslategray3	darkslategray4	darkslategrey	darkturquoise	darkviolet
deeppink	deeppink1	deeppink2	deeppink3	deeppink4
deepskyblue	deepskyblue1	deepskyblue2	deepskyblue3	deepskyblue4