

# Package ‘prettyB’

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**Type** Package

**Title** Pretty Base Graphics

**Version** 0.2.2

**Maintainer** Colin Gillespie <csgillespie@gmail.com>

**Description** Drop-in replacements for standard base graphics functions. The replacements are prettier versions of the originals.

**License** GPL-2 | GPL-3

**URL** <https://github.com/jumpingrivers/prettyB/>

**BugReports** <https://github.com/jumpingrivers/prettyB/issues>

**Imports** graphics, grDevices, stats

**Suggests** covr, knitr, lintr, rmarkdown, testthat, vdiff

**VignetteBuilder** knitr

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.1.1

**NeedsCompilation** no

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**Repository** CRAN

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prettyB-package

*The prettyB package*

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### Description

Anyone who uses R Base graphics, have a 100 and 1 tweaks that they use to make the figures more presentable. This package aims to capture the tweaks in one place. By masking\_standard plotting functions, we can automatically make base graphics a bit more pretty.

### Author(s)

<csgillespie@gmail.com>

### See Also

<https://github.com/jumpingrivers/prettyB>

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add\_x\_axis

*Add tick marks to x/y axis A nicer set of default tick marks*

---

### Description

Add tick marks to x/y axis

A nicer set of default tick marks

### Usage

```
add_x_axis(ticks_x, labels = ticks_x, tick = TRUE, lwd = 0, lwd.ticks = 1)
```

```
add_y_axis(ticks_y, labels = ticks_y, tick = TRUE, lwd = 0, lwd.ticks = 1)
```

### Arguments

ticks_x	location of x tick mark
labels	tick label
tick	Display tick mark
lwd	width of line
lwd.ticks	width of tick mark
ticks_y	location of y tick mark

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barplot.prettyB	<i>PrettyB barplot.default function</i>
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### Description

This function overrides the default arguments. See `?graphics::barplot.default`

### Usage

```
## S3 method for class 'prettyB'
barplot(
  height,
  width = 1,
  space = NULL,
  names.arg = NULL,
  legend.text = NULL,
  beside = FALSE,
  horiz = FALSE,
  density = NULL,
  angle = 45,
  col = NULL,
  border = par("fg"),
  main = NULL,
  sub = NULL,
  xlab = NULL,
  ylab = NULL,
  xlim = NULL,
  ylim = NULL,
  xpd = TRUE,
  log = "",
  axes = TRUE,
  axisnames = TRUE,
  cex.axis = par("cex.axis"),
  cex.names = par("cex.names"),
  inside = TRUE,
  plot = TRUE,
  axis.lty = 0,
  offset = 0,
  add = FALSE,
  args.legend = NULL,
  ...
)

barplot_p(
  height,
  width = 1,
  space = NULL,
```

```

names.arg = NULL,
legend.text = NULL,
beside = FALSE,
horiz = FALSE,
density = NULL,
angle = 45,
col = NULL,
border = par("fg"),
main = NULL,
sub = NULL,
xlab = NULL,
ylab = NULL,
xlim = NULL,
ylim = NULL,
xpd = TRUE,
log = "",
axes = TRUE,
axisnames = TRUE,
cex.axis = par("cex.axis"),
cex.names = par("cex.names"),
inside = TRUE,
plot = TRUE,
axis.lty = 0,
offset = 0,
add = FALSE,
args.legend = NULL,
...
)

```

### Arguments

height, width, space  
 See ?graphics::barplot.default

names.arg, legend.text, beside  
 See ?graphics::barplot.default

horiz, density, angle, col  
 See ?graphics::barplot.default

border, main, sub, xlab, ylab  
 See ?graphics::barplot.default

xlim, ylim, xpd, log, axes  
 See ?graphics::barplot.default

axisnames, cex.axis, cex.names  
 See ?graphics::barplot.default

inside, plot, axis.lty  
 See ?graphics::barplot.default

offset, add, args.legend  
 See ?graphics::barplot.default

... See ?graphics::barplot.default

**Examples**

```
barplot(VADeaths)
```

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boxplot.prettyB	<i>PrettyB boxplot.default function</i>
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**Description**

This function overrides the default arguments. See `?graphics::boxplot.default`

**Usage**

```
## S3 method for class 'prettyB'
boxplot(
  x,
  ...,
  range = 1.5,
  width = NULL,
  varwidth = FALSE,
  notch = FALSE,
  outline = TRUE,
  names,
  plot = TRUE,
  border = par("fg"),
  col = NULL,
  log = "",
  pars = list(boxwex = 0.8, staplewex = 0.5, outwex = 0.5),
  horizontal = FALSE,
  add = FALSE,
  at = NULL
)

boxplot_p(
  x,
  ...,
  range = 1.5,
  width = NULL,
  varwidth = FALSE,
  notch = FALSE,
  outline = TRUE,
  names,
  plot = TRUE,
  border = par("fg"),
  col = NULL,
  log = "",
  pars = list(boxwex = 0.8, staplewex = 0.5, outwex = 0.5),
```

```

    horizontal = FALSE,
    add = FALSE,
    at = NULL
  )

```

### Arguments

```

x, ..., range, width
    See ?graphics::boxplot.default
varwidth, notch, outline
    See ?graphics::boxplot.default
names, plot, border
    See ?graphics::boxplot.default
col, log, pars
    See ?graphics::boxplot.default
horizontal, add, at
    See ?graphics::boxplot.default

```

---

 hist.prettyB

*PrettyB hist.default function*


---

### Description

This function overrides the default arguments. See `?graphics::hist.default`

### Usage

```

## S3 method for class 'prettyB'
hist(
  x,
  breaks = "Sturges",
  freq = NULL,
  probability = !freq,
  include.lowest = TRUE,
  right = TRUE,
  density = NULL,
  angle = 45,
  col = NULL,
  border = NULL,
  main = paste("Histogram of", xname),
  xlim = range(breaks),
  ylim = NULL,
  xlab = xname,
  ylab,
  axes = TRUE,
  plot = TRUE,
  labels = FALSE,

```

```
    nclass = NULL,  
    warn.unused = TRUE,  
    ...  
  )  
  
hist_p(  
  x,  
  breaks = "Sturges",  
  freq = NULL,  
  probability = !freq,  
  include.lowest = TRUE,  
  right = TRUE,  
  density = NULL,  
  angle = 45,  
  col = NULL,  
  border = NULL,  
  main = paste("Histogram of", xname),  
  xlim = range(breaks),  
  ylim = NULL,  
  xlab = xname,  
  ylab,  
  axes = TRUE,  
  plot = TRUE,  
  labels = FALSE,  
  nclass = NULL,  
  warn.unused = TRUE,  
  ...  
)
```

**Arguments**

`x`, `breaks`, `freq`, `probability`  
See ?graphics::hist.default  
`include.lowest`, `right`, `density`  
See ?graphics::hist.default  
`angle`, `col`, `border`, `main`  
See ?graphics::hist.default  
`xlim`, `ylim`, `xlab`, `ylab`, `axes`, `plot`  
See ?graphics::hist.default  
`labels`, `nclass`, `warn.unused`  
See ?graphics::hist.default  
... See ?graphics::hist.default

**Examples**

```
x = rlnorm(100)  
hist(x)
```

---

`plot.prettyB`*PrettyB plot.default function*

---

**Description**

This function overrides the default arguments. See `?graphics::plot.default`

**Usage**

```
## S3 method for class 'prettyB'
plot(
  x,
  y = NULL,
  type = "p",
  xlim = NULL,
  ylim = NULL,
  log = "",
  main = NULL,
  sub = NULL,
  xlab = NULL,
  ylab = NULL,
  ann = par("ann"),
  axes = TRUE,
  frame.plot = axes,
  panel.first = NULL,
  panel.last = NULL,
  asp = NA,
  ...
)

plot_p(
  x,
  y = NULL,
  type = "p",
  xlim = NULL,
  ylim = NULL,
  log = "",
  main = NULL,
  sub = NULL,
  xlab = NULL,
  ylab = NULL,
  ann = par("ann"),
  axes = TRUE,
  frame.plot = axes,
  panel.first = NULL,
  panel.last = NULL,
  asp = NA,
```

```
    ...  
  )
```

### Arguments

x, y, type, log See ?graphics::plot.default  
xlim, ylim See ?graphics::plot.default  
main, sub, xlab, ylab See ?graphics::plot.default  
ann, axes See ?graphics::plot.default  
frame.plot, panel.first, panel.last See ?graphics::plot.default  
asp See ?graphics::plot.default  
... See ?graphics::plot.default

### Examples

```
plot_p(1:10, 1:10)
```

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reset_prettyB	<i>Set up par and palette Sets up par and palette</i>
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---

### Description

Set up par and palette  
Sets up par and palette

### Usage

```
reset_prettyB()  
  
setup_prettyB()
```

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