

Package ‘calendRio’

July 22, 2025

Title 'calendR' Fork with Additional Features (Backwards Compatible)

Version 0.2.1

Description Fork of 'calendR' R package to generate ready to print
calendars with 'ggplot2' (see <<https://r-coder.com/calendar-plot-r/>>)
with additional features (backwards compatible).
'calendRio' provides a 'calendR()' function that serves as a drop-in
replacement for the upstream version but allows for additional
parameters unlocking extra functionality.

Imports dplyr, forcats, ggibbous, ggimage, ggplot2, suncalc

License AGPL (>= 3)

Encoding UTF-8

RoxygenNote 7.3.2

NeedsCompilation no

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`calendR`*Monthly and yearly calendars*

Description

Create ready to print monthly and yearly calendars. The function allows personalizing colors (even setting a gradient color scale for a full month or year), texts and fonts. In addition, for monthly calendars you can also add text on the days and moon phases.

Usage

```
calendR(  
  year = format(Sys.Date(), "%Y"),  
  month = NULL,  
  from = NULL,  
  to = NULL,  
  start = c("S", "M"),  
  orientation = c("portrait", "landscape"),  
  title,  
  title.size = 20,  
  title.col = "gray30",  
  subtitle = "",  
  subtitle.size = 10,  
  subtitle.col = "gray30",  
  text = "",  
  text.pos = NULL,  
  text.size = 4,  
  text.col = "gray30",  
  special.days = NULL,  
  special.col = "gray90",  
  gradient = FALSE,  
  low.col = "white",  
  col = "gray30",  
  lwd = 0.5,  
  lty = 1,  
  font.family = "sans",  
  font.style = "plain",  
  day.size = 3,  
  days.col = "gray30",  
  weeknames,  
  weeknames.col = "gray30",  
  weeknames.size = 4.5,  
  week.number = FALSE,  
  week.number.col = "gray30",  
  week.number.size = 8,  
  monthnames,  
  months.size = 10,
```

```

months.col = "gray30",
months.pos = 0.5,
mbg.col = "white",
legend.pos = "none",
legend.title = "",
bg.col = "white",
bg.img = "",
margin = 1,
ncol,
lunar = FALSE,
lunar.col = "gray60",
lunar.size = 7,
pdf = FALSE,
doc_name = "",
papersize = "A4"
)

```

Arguments

year	Calendar year. By default uses the current year.
month	Month of the year or NULL (default) for the yearly calendar.
from	Custom start date of the calendar. If from != NULL, year and month arguments won't be taken into account.
to	Custom end date of the calendar.
start	"S" (default) for starting the week on Sunday or "M" for starting the week on Monday.
orientation	The calendar orientation: "portrait" or "landscape" (default). Also accepts "p" and "l".
title	Title of the the calendar. If not supplied is the year and the month, or the year if month = NULL.
title.size	Size of the main title.
title.col	Color of the main title.
subtitle	Subtitle of the calendar in italics (optional).
subtitle.size	Font size of the subtitle.
subtitle.col	Color of the subtitle.
text	Character vector of texts to be added on the calendar. Only for monthly calendars.
text.pos	Numeric vector containing the number of days of the month where to add the texts of the text argument.
text.size	Font size of the texts added with the text argument.
text.col	Color of the texts added with the text argument.
special.days	Numeric vector indicating the days to color or "weekend" for coloring all the weekends.

<code>special.col</code>	Color for the days indicated in <code>special.days</code> . If <code>gradient = TRUE</code> , is the higher color of the gradient.
<code>gradient</code>	Boolean. If <code>special.days</code> is a numeric vector of the length of the displayed days, <code>gradient = TRUE</code> creates a gradient of the <code>special.col</code> on the calendar.
<code>low.col</code>	If <code>gradient = TRUE</code> , is the lower color of the gradient. If <code>gradient = FALSE</code> is the background color of the days. Defaults to "white".
<code>col</code>	Color of the lines of the calendar.
<code>lwd</code>	Line width of the calendar.
<code>lty</code>	Line type of the calendar. If <code>lty = 0</code> no lines are drawn.
<code>font.family</code>	Font family of all the texts.
<code>font.style</code>	Style of all the texts and numbers except the subtitle. Possible options are "plain" (default), "bold", "italic" and "bold.italic".
<code>day.size</code>	Font size of the number of the days.
<code>days.col</code>	Color of the number of the days.
<code>weeknames</code>	Character vector with the names of the days of the week starting on Monday. By default they will be in the system locale.
<code>weeknames.col</code>	Color of the names of the days.
<code>weeknames.size</code>	Size of the names of the days.
<code>week.number</code>	If <code>TRUE</code> , the week number of the year for each week is added.
<code>week.number.col</code>	If <code>week.number = TRUE</code> is the color of the week numbers.
<code>week.number.size</code>	If <code>week.number = TRUE</code> is the size of the week numbers.
<code>monthnames</code>	Character vector with the names of the months of the calendar. By default they will be upper case and in the system locale.
<code>months.size</code>	Font size of the names of the months.
<code>months.col</code>	If <code>month = NULL</code> , is the color of the month names.
<code>months.pos</code>	Horizontal align of the month names. Defaults to 0.5 (center).
<code>mbg.col</code>	Background color of the month names. Defaults to "white".
<code>legend.pos</code>	If <code>gradient = TRUE</code> , is the position of the legend. It can be set to "none" (default), "top", "bottom", "left" and "right".
<code>legend.title</code>	If <code>legend.pos != "none"</code> and <code>gradient = TRUE</code> , is the title of the legend.
<code>bg.col</code>	Background color of the calendar. Defaults to "white".
<code>bg.img</code>	Character string containing the URL or the local directory of a image to be used as background.
<code>margin</code>	Numeric. Allows controlling the margin of the calendar.
<code>ncol</code>	Numeric. Controls the number of columns of the yearly calendar. Overrides the default values for "landscape" and "portrait" orientation.
<code>lunar</code>	Boolean. If <code>TRUE</code> , draws the lunar phases. Only available for monthly calendars.
<code>lunar.col</code>	If <code>lunar = TRUE</code> , is the color of the hide part of the moons.

<code>lunar.size</code>	If <code>lunar = TRUE</code> , is the size of the representation of the moons.
<code>pdf</code>	Boolean. If <code>TRUE</code> , saves the calendar in the working directory in A4 format.
<code>doc_name</code>	If <code>pdf = TRUE</code> , is the name of the generated file (without the file extension). If not specified, creates files of the format: <code>Calendar_year.pdf</code> for yearly calendars and <code>Calendar_month_year.pdf</code> for monthly calendars.
<code>papersize</code>	PDF paper size. Possible options are "A6", "A5", "A4" (default), "A3", "A2", "A1" and "A0". Depending on the size you will need to fine-tune some arguments, like the font sizes.

Value

A ggplot object containing the requested calendar.

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Examples

```
# Calendar of the current year
calendR()

# Calendar of July, 2005, starting on Monday
calendR(year = 2005, month = 7, start = "M", subtitle = "Have a nice day")

# Create ready to print monthly calendars for all the months of the current year
# with week starting on Sunday
invisible(sapply(1:12 , function(i) calendR(month = i, pdf = TRUE,
  doc_name = file.path(tempdir(), paste0("myCalendar", i , ".pdf")))))
```

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