Package ‘cropcircles’

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Type Package

Title Crops an Image to a Circle

Version 0.2.4

URL https://github.com/doehm/cropcircles

BugReports https://github.com/doehm/cropcircles/issues

Description Images are cropped to a circle with a transparent background. The function takes a vector of images, either local or from a link, and circle crops the image. Paths to the cropped image are returned for plotting with 'ggplot2'. Also includes cropping to a hexagon, heart, parallelogram, and square.

Depends R (>= 3.5.0)

Imports glue, magick, purrr

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Encoding UTF-8

RoxygenNote 7.2.3

NeedsCompilation no

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Repository CRAN

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R topics documented:

add_border *Add border helper*

Description

Add border helper

Usage

```
add_border(x, geom, border_size, border_colour, bg_fill, orig)
```

Arguments

x	magick image
geom	Geometric shape e.g. circle, hex, heart.
border_size	Border size in pixels.
border_colour	Border colour
bg_fill	Background fill
orig	List of original dimensions e.g. ‘list(wd = 100, ht = 200)‘

Value

Magick image

crop_circle *Cropping functions*

Description

Reads in an image and crops to the specified geometry with a transparent background. If a new path is given it will save the cropped images to the new location. If no path is given it will save to a temporary location which will be cleared when the session is closed

Usage

```
crop_circle(
  images,
  to = NULL,
  border_size = NULL,
  border_colour = "black",
  bg_fill = NULL,
  just = "center"
)
```

```
crop_square(
  images,
  to = NULL,
  border_size = NULL,
  border_colour = "black",
  bg_fill = NULL,
  just = "center"
)

crop_hex(
  images,
  to = NULL,
  border_size = NULL,
  border_colour = "black",
  bg_fill = NULL,
  just = "center"
)

crop_heart(
  images,
  to = NULL,
  border_size = NULL,
  border_colour = "black",
  bg_fill = NULL,
  just = "center"
)

crop_parallelogram(
  images,
  to = NULL,
  border_size = NULL,
  border_colour = "black",
  bg_fill = NULL,
  just = "center"
)

circle_crop(
  images,
  to = NULL,
  border_size = NULL,
  border_colour = "black",
  bg_fill = NULL,
  just = "center"
)

hex_crop(
  images,
  to = NULL,
  border_size = NULL,
  border_colour = "black",
  bg_fill = NULL,
  just = "center"
)
```

Arguments

`images`	Vector of image paths, either local or urls. If urls the images will be downloaded first.
`to`	Path to new location
`border_size`	Border size in pixels.
`border_colour`	Border colour.
`bg_fill`	Background fill. Allows a different colour for the background and a different colour for the border.
`just`	Where to justify the image prior to cropping. Accepted values: ‘left‘, ‘right‘, ‘top‘, ‘bottom‘

Value

Path to cropped images

Note

The naming convention is now ‘crop_*‘. The old functions ‘circle_crop‘ and ‘hex_crop‘ still work but you are encouraged to use the new functions ‘crop_circle‘ and ‘crop_hex‘.

Examples

```
library(cropcircles)
library(magick)

img_path <- file.path(system.file(package = "cropcircles"), "images", "walter-jesse.png")
img_cropped <- crop_circle(img_path, border_size = 6)
image_read(img_cropped)

# justification example

# center (default)
image_read(crop_circle(img_path, border_size = 6))

# left
image_read(crop_circle(img_path, border_size = 6, just = "left"))

# right
image_read(crop_circle(img_path, border_size = 6, just = "right"))
```

`cut_circle` *Circle crop helper*

Description

Circle crop helper

Usage

```
cut_circle(x, just = "center")
```

Arguments

`x`	Magick images
`just`	Where to justify the image prior to cropping

Value

Magick image

`cut_heart` *heart crop helper*

Description

heart crop helper

Usage

```
cut_heart(x, just = "center")
```

Arguments

`x`	Magick image
`just`	Where to justify the image prior to cropping

Value

Magick images

`cut_hex` *Hex crop helper*

Description

Hex crop helper

Usage

```
cut_hex(x, just = "center")
```

Arguments

`x`	Magick image
`just`	Where to justify the image prior to cropping

Value

Magick image

`cut_parallelogram` *Parallelogram crop helper*

Description

Parallelogram crop helper

Usage

```
cut_parallelogram(x, just = "center")
```

Arguments

`x`	Magick image
`just`	Where to justify the image prior to cropping

Value

Magick image

`cut_square` *Square crop helper*

Description

Square crop helper

Usage

```
cut_square(x, just = "center")
```

Arguments

`x`	Magick images
`just`	Where to justify the image prior to

Value

Magick image

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