

Package ‘phosphoricons’

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Title 'Phosphor' Icons for R

Version 0.1.2

Description

Use 'Phosphor' icons in 'shiny' applications or 'rmarkdown' documents. Icons are available in 5 different weights and can be customized by setting color, size, orientation and more.

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Encoding UTF-8

RoxygenNote 7.1.2

Depends R (>= 2.10)

Imports htmltools (>= 0.3)

Suggests covr, shiny, tinytest

URL <https://dreamrs.github.io/phosphoricons/>

NeedsCompilation no

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html_dependency_phosphor

HTML dependency for Phosphor Icons

Description

Allow to explicitly load dependency for using Phosphor icons.

Usage

```
html_dependency_phosphor()
```

Value

An `htmltools::htmlDependency()` object.

Note

Dependency is automatically loaded when using `ph_i()`, but in some case, like when using `icon` argument in some function, you might need to call `html_dependency_phosphor()` to make icons appears.

Examples

```
library(shiny)
library(phosphoricons)

ui <- navbarPage(
  title = "Phosphor Icons",
  header = list(
    html_dependency_phosphor()
  ),
  tabPanel("Home", icon = ph_i("house")),
  tabPanel("Parameters"),
  tabPanel("Results")
)

server <- function(input, output, session) {
}

if (interactive())
  shinyApp(ui, server)
```

Description

Create a `<svg></svg>` tag to render an icon.

Usage

```
ph(  
  name,  
  weight = c("light", "regular", "thin", "bold", "fill"),  
  fill = "currentColor",  
  rotate = NULL,  
  height = "1.33em",  
  width = NULL,  
  vertical_align = "-0.25em",  
  title = name,  
  ...  
)
```

Arguments

name	Name of the icon to use.
weight	Weight of icon (from thinnest to thickest): thin, light (default), regular, bold or fill.
fill	Fill color for the icon, default is <code>currentColor</code> which should match the color of the text where the icon is used.
rotate	Numeric, angle to rotate the icon.
height, width	Height and width in valid CSS unit.
vertical_align	Vertical alignment for the icon, this depend on the size of the icon.
title	Add a <code><title></code> tag to provides an accessible, short-text description of the icon. Use <code>NULL</code> for no title.
...	Attributes passed to the SVG tag.

Value

An SVG tag.

Examples

```
library(phosphoricons)  
  
ph("airplane-tilt")  
ph("airplane-tilt", weight = "thin")  
ph("airplane-tilt", weight = "bold")
```

```

ph("house")
ph("house", fill = "#F45B69")
ph("cake", rotate = 45)
ph("airplane-tilt", height = 128)
ph("airplane-tilt", height = 128, weight = "fill")
ph("airplane-tilt", height = 128, weight = "fill", fill = "steelblue")

```

ph_fill

Fill SVG icon

Description

Fill an SVG icon with different colors according to breaks.

Usage

```
ph_fill(icon, colors, breaks, orientation = c("vertical", "horizontal"))
```

Arguments

icon	An icon generated with ph() .
colors	Colors to fill icon with.
breaks	Breaks where to switch colors.
orientation	Orientation of color filling: vertical (from bottom to top), horizontal (from left to right).

Value

An SVG tag.

Examples

```

library(phosphoricons)
ph_fill(
  ph("heart", weight = "fill", height = 128),
  colors = c("#DF0101", "#F6CECE"),
  breaks = 0.7
)

ph_fill(
  ph("star", weight = "fill", height = 128, stroke = "gold", `stroke-width` = 10),
  colors = c("gold", "#FFF"),
  breaks = 0.5,
  orientation = "h"
)

# Multiple colors:

```

```

ph_fill(
  ph("trash", weight = "fill", height = 128),
  colors = c("forestgreen", "firebrick", "steelblue", "gold"),
  breaks = c(0.3, 0.6, 0.9)
)

```

 ph_i

Phosphor Font Icons

Description

Create a Phosphor icon with font files.

Usage

```

ph_i(
  name,
  weight = c("light", "regular", "thin", "bold", "fill"),
  size = c("lg", "xxs", "xs", "sm", "xl", "1x", "2x", "3x", "4x", "5x", "6x", "7x",
    "8x", "9x", "10x"),
  color = NULL,
  ...
)

```

Arguments

name	Name of the icon to use.
weight	Weight of icon (from thinnest to thickest): thin, light (default), regular, bold or fill.
size	Size of icon.
color	Color of icon: use valid HTML color or hex code.
...	Attributes passed to the i tag.

Value

An HTML tag.

Examples

```

library(phosphoricons)

ph_i("airplane-tilt")
ph_i("airplane-tilt", weight = "thin")
ph_i("airplane-tilt", weight = "bold")
ph_i("house")
ph_i("house", color = "#F45B69")

```

```
ph_i("cake")
ph_i("cake", size = "x1")
ph_i("cake", size = "10x")
```

search_icon	<i>Search Icons</i>
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Description

Search Icons

Usage

```
search_icon(pattern, output = c("viewer", "console"))
```

Arguments

pattern	Pattern to search for in icon's name.
output	View results in the viewer or in the console.

Value

If output = "console" a character vector, if output = "viewer" a shiny.tag.

Examples

```
search_icon("calendar")
search_icon("text")
```

waffle_icon	<i>Waffle plot with icons</i>
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Description

Waffle plot with icons

Usage

```
waffle_icon(
  values,
  colors,
  icons,
  ncol = 10,
  nrow = 10,
  flow = c("row", "column"),
  legend = TRUE,
  width = NULL
)
```

Arguments

values	A vector of values to be plotted.
colors	Colors to use for each unique values.
icons	Icon or list of icons associated to unique values.
ncol, nrow	Number of column and row in the matrix.
flow	Populate matrix by rows or columns.
legend	Logical, display or not a legend.
width	Width of the matrix.

Value

HTML tags.

Examples

```
library(phosphoricons)

waffle_icon(
  values = sort(sample(c("Aa", "Bb", "Cc"), 100, TRUE)),
  colors = c("#81F4E1", "#56CBF9", "#FF729F"),
  icons = ph("user", weight = "fill", height = 32)
)

waffle_icon(
  values = sample(c("Cats", "Dogs"), 200, TRUE),
  colors = list(
    Cats = "#456990",
    Dogs = "#F45B69"
  ),
  icons = list(
    Cats = ph("cat", height = NULL),
    Dogs = ph("dog", height = NULL)
  ),
  ncol = 15,
  nrow = 8,
  width = "500px"
)
```

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