Package ‘phosphoricons’

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Title 'Phosphor' Icons for R
Version 0.1.1
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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**html_dependency_phosphor**

**HTML dependency for Phosphor Icons**

**Description**

Allow to explicitly load dependency for using Phosphor icons.

**Usage**

```r
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**

```r
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)
```
**Phosphor SVG Icons**

**Description**

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

**Usage**

```r
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 `currentColor` 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 `<title>` tag to provides an accessible, short-text description of the icon. Use NULL for no title.
- **...**: Attributes passed to the SVG tag.

**Value**

An SVG tag.

**Examples**

```r
count
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**

```r
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**

```r
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:
```
Description

Create a Phosphor icon with font files.

Usage

```r
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

```r
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")
```
search_icon  Search Icons

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  Waffle plot with icons

Description
Waffle plot with icons

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

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 = "#56990",
    Dogs = "#F45B69"
  ),
  icons = list(
    Cats = ph("cat", height = NULL),
    Dogs = ph("dog", height = NULL)
  ),
  ncol = 15,
  nrow = 8,
  width = "500px"
)
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