Package ‘phosphoricons’

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Title 'Phosphor' Icons for R
Version 0.2.1
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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Author Victor Perrier [aut, cre, cph],
   Fanny Meyer [aut],
   Phosphor Icons [cph] (Phosphor Icons
<https://github.com/phosphor-icons>)
Maintainer Victor Perrier <victor.perrier@dreamrs.fr>
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R topics documented:

  html_dependency_phosphor ........................................... 2
  ph ................................................................. 3
  ph_fill ........................................................... 4
  ph_i ................................................................. 5
  search_icon ......................................................... 6
  waffle_icon ......................................................... 6
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)
```
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
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

**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

**Description**

Waffle plot with icons

**Usage**

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

```r
ph_i("cake")
ph_i("cake", size = "xl")
ph_i("cake", size = "10x")
```
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 = "#456990",
    Dogs = "#F45B69"
  ),
  icons = list(
    Cats = ph("cat", height = NULL),
    Dogs = ph("dog", height = NULL)
  ),
  ncol = 15,
  nrow = 8,
  width = "500px"
)
# Index

<table>
<thead>
<tr>
<th>Function/Class</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>html_dependency_phosphor</td>
<td>2</td>
</tr>
<tr>
<td>htmltools::htmlDependency()</td>
<td>2</td>
</tr>
<tr>
<td>ph</td>
<td>3</td>
</tr>
<tr>
<td>ph()</td>
<td>4</td>
</tr>
<tr>
<td>ph_fill</td>
<td>4</td>
</tr>
<tr>
<td>ph_i</td>
<td>5</td>
</tr>
<tr>
<td>ph_i()</td>
<td>2</td>
</tr>
<tr>
<td>search_icon</td>
<td>6</td>
</tr>
<tr>
<td>waffle_icon</td>
<td>6</td>
</tr>
</tbody>
</table>