

# Package ‘r2symbols’

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**Type** Package

**Title** Symbols for 'Markdown' and 'Shiny' Application

**Version** 1.2

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**Description** Direct insertion of symbols (e.g. currencies, letters, arrows, mathematical symbols and so on) into 'Rmarkdown' documents and 'Shiny' applications by incorporating 'HTML' hex codes.

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**URL** <https://r2symbols.obianom.com>

**BugReports** <https://github.com/oobianom/r2symbols/issues>

**Depends** R (>= 3.4)

**Imports** utils, htmltools, jsonlite

**Suggests** rmarkdown, knitr, qpdf

**Encoding** UTF-8

**VignetteBuilder** knitr

**Language** en-US

**LazyData** false

**RoxygenNote** 7.2.1

**NeedsCompilation** no

**Repository** CRAN

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as.html	<i>Transform to html</i>
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### Description

Transform string into HTML ready for Rmarkdown and Shiny

### Usage

```
as.html(h)
```

### Arguments

h	string
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### Value

HTML form of the string for easy insertion in Shiny or Rmarkdown documents

### Examples

```
string <- "<b>smile</b>" #html b tag included to make the string bold
string_trans <- as.html(string)
cat(string) #when inserted in Rmarkdown will not show up as bolded
cat(string_trans) #when inserted into Rmarkdown will show up as bolded after knitting
```

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is.empty	<i>Is string empty</i>
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### Description

Return TRUE or FALSE after checking if a string is empty

### Usage

```
is.empty(string)
```

**Arguments**

string            the string to be checked

**Value**

Returns TRUE or FALSE

**Examples**

```
string <- "r2resume"
string2 <- NULL
is.empty(string)
is.empty(string2)
```

---

sym

*Get a desired symbol*

---

**Description**

Get a symbol by name or number for use in Rmarkdown or Shiny apps

**Usage**

```
sym(
  ...,
  font.size = NULL,
  font.weight = NULL,
  font.color = NULL,
  if.error = FALSE,
  search.units.each = FALSE
)
```

**Arguments**

...            the symbols to display

font.size      font size as integer

font.weight   font weight as integer

font.color    font color e.g. red, blue, cyan

if.error       error response

search.units.each            whether to search single letter columns

**Value**

symbol hex for HTML displays

## Examples

```
sym("trademark")
sym("alpha")
sym("arrow-right")
sym(144)
```

---

sym.setting

*Symbol setting*

---

## Description

Font styling for symbols

## Usage

```
sym.setting(font.size = NULL, font.weight = NULL, font.color = NULL)
```

## Arguments

font.size	font size as integer
font.weight	font weight eg. normal, bold or lighter
font.color	font color e.g. red, blue, cyan

## Value

No values returned

## Examples

```
symbol.setting(40, "bold", "green") # ascribe settings for all symbols
symbol("alpha") # display the alpha symbol
symbol.setting() # clear settings for symbols
symbol("alpha") # display the alpha symbol
```

---

symbol	<i>Get a desired symbol</i>
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---

### Description

Get a symbol by name or number for use in Rmarkdown or Shiny apps, could be a mathematical symbol or other kinds of symbols

### Usage

```
symbol(  
  ...,  
  font.size = NULL,  
  font.weight = NULL,  
  font.color = NULL,  
  if.error = FALSE,  
  search.units.each = FALSE  
)
```

### Arguments

...	the symbols to display
font.size	font size as integer
font.weight	font weight as integer
font.color	font color e.g. red, blue, cyan
if.error	error response
search.units.each	whether to search single letter columns

### Value

symbol hex for HTML integration

### Complete cheatcheat for symbols

Common symbols include alpha, beta, copyright, registered, theta, sigma. See the complete list at <https://github.com/oobianom/r2symbols>.

### Examples

```
symbol("trademark")  
symbol("alpha")  
symbol("arrow-right")  
symbol(144)
```

symbol.setting      *Symbol setting*

---

**Description**

Font styling for symbols

**Usage**

```
symbol.setting(font.size = NULL, font.weight = NULL, font.color = NULL)
```

**Arguments**

font.size	font size as integer
font.weight	font weight eg. normal, bold or lighter
font.color	font color e.g. red, blue, cyan

**Value**

No values returned

**Examples**

```
symbol.setting(40, "bold", "green") # ascribe settings for all symbols
symbol("alpha") # display the alpha symbol
symbol.setting() # clear settings for symbols
symbol("alpha") # display the alpha symbol
```

---

symbol.units      *Transform custom units*

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**Description**

Enter a unit and it will automatically be transformed to the appropriate form

**Usage**

```
symbol.units(units, error = FALSE)
```

**Arguments**

units	the desired unit e.g ug/mL,pg/mL, ab, yL
error	whether to report any errors

**Value**

Transformed units with substitution of symbols with appropriate symbol hex

**Examples**

```
symbol.units("ug/mL") # u will be transformed to mu
symbol.units("pg/mL") # no letter will be transformed
```

---

symload

*Symbol repository loader*

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**Description**

Loads all the available symbols

**Usage**

```
symload(
  font.size = NULL,
  font.weight = NULL,
  font.color = NULL,
  if.error = TRUE
)
```

**Arguments**

font.size	font size as integer
font.weight	font weight as integer
font.color	font color e.g. red, blue, cyan
if.error	error response

**Value**

No returns, but symbols are loaded

**Examples**

```
symload(40, "normal", "purple") # load symbols and add symbol settings
symload() # load symbols without custom settings
```

---

trans.r2symbols	<i>Transform HTML into symbols</i>
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**Description**

Transform texts in HTML to symbols

**Usage**

```
trans.r2symbols(  
  font.size = NULL,  
  font.weight = c("normal", "bold", "lighter"),  
  font.color = NULL  
)
```

**Arguments**

font.size	font size as integer
font.weight	font weight eg. normal, bold or lighter
font.color	font color e.g. red, blue, cyan

**Value**

A rendered HTML where simple text is transformed to symbols using HTML codes

**Note**

This function simply inserts a script within the output HTML, which transforms the content using the relevant HTML codes.

**Examples**

```
trans.r2symbols()
```



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