

# Package ‘reactable’

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**Type** Package

**Title** Interactive Data Tables Based on 'React Table'

**Version** 0.2.3

**Description** Interactive data tables for R, based on the 'React Table' JavaScript library. Provides an HTML widget that can be used in 'R Markdown' documents and 'Shiny' applications, or viewed from an R console.

**License** MIT + file LICENSE

**URL** <https://glin.github.io/reactable/>,  
<https://github.com/glin/reactable>

**BugReports** <https://github.com/glin/reactable/issues>

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## R topics documented:

colDef . . . . .	2
colFormat . . . . .	4

colGroup . . . . .	7
getReactableState . . . . .	8
reactable . . . . .	10
reactable-shiny . . . . .	14
reactableLang . . . . .	16
reactableTheme . . . . .	18
updateReactable . . . . .	21

<b>Index</b>	<b>24</b>
--------------	-----------

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colDef	<i>Column definitions</i>
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### Description

Use `colDef()` to customize the columns in a table.

### Usage

```
colDef(
  name = NULL,
  aggregate = NULL,
  sortable = NULL,
  resizable = NULL,
  filterable = NULL,
  show = TRUE,
  defaultSortOrder = NULL,
  sortNALast = FALSE,
  format = NULL,
  cell = NULL,
  aggregated = NULL,
  header = NULL,
  footer = NULL,
  details = NULL,
  html = FALSE,
  na = "",
  minWidth = NULL,
  maxWidth = NULL,
  width = NULL,
  align = NULL,
  class = NULL,
  style = NULL,
  headerClass = NULL,
  headerStyle = NULL,
  footerClass = NULL,
  footerStyle = NULL
)
```

**Arguments**

name	Column header name.
aggregate	Aggregate function to use when rows are grouped. The name of a built-in aggregate function or a custom <code>JS()</code> aggregate function. Built-in aggregate functions are: "mean", "sum", "max", "min", "median", "count", "unique", and "frequency". To enable row grouping, use the <code>groupBy</code> argument in <code>reactable()</code> .
sortable	Enable sorting? Overrides the table option.
resizable	Enable column resizing? Overrides the table option.
filterable	Enable column filtering? Overrides the table option.
show	Show the column? Defaults to TRUE.
defaultSortOrder	Default sort order. Either "asc" for ascending order or "desc" for descending order. Overrides the table option.
sortNALast	Always sort missing values (NA or NaN) last?
format	Column formatting options. A <code>colFormat()</code> object to format all cells, or a named list of <code>colFormat()</code> objects to format standard cells ("cell") and aggregated cells ("aggregated") separately.
cell	Custom cell renderer. An R function that takes the cell value, row index, and column name as arguments, or a <code>JS()</code> function that takes a cell info object as an argument.
aggregated	Custom aggregated cell renderer. A <code>JS()</code> function that takes a cell info object as an argument.
header	Custom header renderer. An R function that takes the header value and column name as arguments, or a <code>JS()</code> function that takes a column info object as an argument.
footer	Footer content or render function. Render functions can be an R function that takes two arguments, the column values and column name, or a <code>JS()</code> function that takes a column info object as an argument.
details	Additional content to display when expanding a row. An R function that takes a row index argument or a <code>JS()</code> function that takes a row info object as an argument. Cannot be used on a grouping column.
html	Render content as HTML? Raw HTML strings are escaped by default.
na	String to display for missing values (i.e. NA or NaN). By default, missing values are displayed as blank cells.
minWidth	Minimum width of the column in pixels. Defaults to 100.
maxWidth	Maximum width of the column in pixels.
width	Fixed width of the column in pixels. Overrides <code>minWidth</code> and <code>maxWidth</code> .
align	Column alignment. One of "left", "right", "center".
class	Additional CSS classes to apply to cells. Can also be an R function that takes the cell value, row index, and column name as arguments, or a <code>JS()</code> function that takes a row info object, column info object, and table state object as arguments. Note that R functions cannot apply classes to aggregated cells.

style	<p>Inline styles to apply to cells. A named list or character string. Can also be an R function that takes the cell value and row index as arguments, or a <code>JS()</code> function that takes a row info object, column info object, and table state object as arguments.</p> <p>Note that R functions cannot apply styles to aggregated cells. If style is a named list, property names should be camelCased.</p>
headerClass	Additional CSS classes to apply to the header.
headerStyle	<p>Inline styles to apply to the header. A named list or character string.</p> <p>Note that if headerStyle is a named list, property names should be camelCased.</p>
footerClass	Additional CSS classes to apply to the footer.
footerStyle	<p>Inline styles to apply to the footer. A named list or character string.</p> <p>Note that if footerStyle is a named list, property names should be camelCased.</p>

**Value**

A column definition object that can be used to customize columns in `reactable()`.

**Examples**

```
reactable(
  iris,
  columns = list(
    Sepal.Length = colDef(name = "Sepal Length"),
    Sepal.Width = colDef(filterable = TRUE),
    Petal.Length = colDef(show = FALSE),
    Petal.Width = colDef(defaultSortOrder = "desc")
  )
)
```

---

colFormat

*Column formatting options*


---

**Description**

Use `colFormat()` to add data formatting to a column.

**Usage**

```
colFormat(
  prefix = NULL,
  suffix = NULL,
  digits = NULL,
  separators = FALSE,
  percent = FALSE,
  currency = NULL,
```

```

    datetime = FALSE,
    date = FALSE,
    time = FALSE,
    hour12 = NULL,
    locales = NULL
  )

```

### Arguments

prefix	Prefix string.
suffix	Suffix string.
digits	Number of decimal digits to use for numbers.
separators	Whether to use grouping separators for numbers, such as thousands separators or thousand/lakh/crore separators. The format is locale-dependent.
percent	Format number as a percentage? The format is locale-dependent.
currency	Currency format. An ISO 4217 currency code such as "USD" for the US dollar, "EUR" for the euro, or "CNY" for the Chinese RMB. The format is locale-dependent.
datetime	Format as a locale-dependent date-time?
date	Format as a locale-dependent date?
time	Format as a locale-dependent time?
hour12	Whether to use 12-hour time (TRUE) or 24-hour time (FALSE). The default time convention is locale-dependent.
locales	<p>Locales to use for number, date, time, and currency formatting. A character vector of BCP 47 language tags, such as "en-US" for English (United States), "hi" for Hindi, or "sv-SE" for Swedish (Sweden). Defaults to the locale of the user's browser.</p> <p>Multiple locales may be specified to provide a fallback language in case a locale is unsupported. When multiple locales are specified, the first supported locale will be used.</p> <p>See <a href="#">here</a> for a list of common BCP 47 language tags.</p>

### Value

A column format object that can be used to customize data formatting in `colDef()`.

### See Also

Custom cell rendering in `colDef()` to customize data formatting beyond what the built-in formatters provide.

### Examples

```

data <- data.frame(
  price_USD = c(123456.56, 132, 5650.12),
  price_INR = c(350, 23208.552, 1773156.4),

```

```

number_FR = c(123456.56, 132, 5650.12),
temp = c(22, NA, 31),
percent = c(0.9525556, 0.5, 0.112),
date = as.Date(c("2019-01-02", "2019-03-15", "2019-09-22"))
)

reactable(data, columns = list(
  price_USD = colDef(format = colFormat(prefix = "$", separators = TRUE, digits = 2)),
  price_INR = colDef(format = colFormat(currency = "INR", separators = TRUE, locales = "hi-IN")),
  number_FR = colDef(format = colFormat(locales = "fr-FR")),
  temp = colDef(format = colFormat(suffix = " \u00b0C")),
  percent = colDef(format = colFormat(percent = TRUE, digits = 1)),
  date = colDef(format = colFormat(date = TRUE, locales = "en-GB"))
))

# Date formatting
datetimes <- as.POSIXct(c("2019-01-02 3:22:15", "2019-03-15 09:15:55", "2019-09-22 14:20:00"))
data <- data.frame(
  datetime = datetimes,
  date = datetimes,
  time = datetimes,
  time_24h = datetimes,
  datetime_pt_BR = datetimes
)

reactable(data, columns = list(
  datetime = colDef(format = colFormat(datetime = TRUE)),
  date = colDef(format = colFormat(date = TRUE)),
  time = colDef(format = colFormat(time = TRUE)),
  time_24h = colDef(format = colFormat(time = TRUE, hour12 = FALSE)),
  datetime_pt_BR = colDef(format = colFormat(datetime = TRUE, locales = "pt-BR"))
))

# Currency formatting
data <- data.frame(
  USD = c(12.12, 2141.213, 0.42, 1.55, 34414),
  EUR = c(10.68, 1884.27, 0.37, 1.36, 30284.32),
  INR = c(861.07, 152122.48, 29.84, 110, 2444942.63),
  JPY = c(1280, 226144, 44.36, 164, 3634634.61),
  MAD = c(115.78, 20453.94, 4.01, 15, 328739.73)
)

reactable(data, columns = list(
  USD = colDef(
    format = colFormat(currency = "USD", separators = TRUE, locales = "en-US")
  ),
  EUR = colDef(
    format = colFormat(currency = "EUR", separators = TRUE, locales = "de-DE")
  ),
  INR = colDef(
    format = colFormat(currency = "INR", separators = TRUE, locales = "hi-IN")
  ),
  JPY = colDef(

```

```
    format = colFormat(currency = "JPY", separators = TRUE, locales = "ja-JP")
  ),
  MAD = colDef(
    format = colFormat(currency = "MAD", separators = TRUE, locales = "ar-MA")
  )
))

# Formatting aggregated cells
data <- data.frame(
  States = state.name,
  Region = state.region,
  Area = state.area
)

reactable(data, groupBy = "Region", columns = list(
  States = colDef(
    aggregate = "count",
    format = list(
      aggregated = colFormat(suffix = " states")
    )
  ),
  Area = colDef(
    aggregate = "sum",
    format = colFormat(suffix = " mi\u00b2", separators = TRUE)
  )
))
```

---

colGroup

*Column group definitions*

---

## Description

Use `colGroup()` to create column groups in a table.

## Usage

```
colGroup(
  name = NULL,
  columns = NULL,
  header = NULL,
  html = FALSE,
  align = NULL,
  headerClass = NULL,
  headerStyle = NULL
)
```

**Arguments**

name	Column group header name.
columns	Character vector of column names in the group.
header	Custom header renderer. An R function that takes the header value as an argument, or a <code>JS()</code> function that takes a column info object as an argument.
html	Render header content as HTML? Raw HTML strings are escaped by default.
align	Column group header alignment. One of "left", "right", "center".
headerClass	Additional CSS classes to apply to the header.
headerStyle	Inline styles to apply to the header. A named list or character string. Note that if headerStyle is a named list, property names should be camelCased.

**Value**

A column group definition object that can be used to create column groups in `reactable()`.

**Examples**

```
reactable(
  iris,
  columns = list(
    Sepal.Length = colDef(name = "Length"),
    Sepal.Width = colDef(name = "Width"),
    Petal.Length = colDef(name = "Length"),
    Petal.Width = colDef(name = "Width")
  ),
  columnGroups = list(
    colGroup(name = "Sepal", columns = c("Sepal.Length", "Sepal.Width")),
    colGroup(name = "Petal", columns = c("Petal.Length", "Petal.Width"))
  )
)
```

---

getReactableState      *Get the state of a reactable instance*

---

**Description**

`getReactableState()` gets the state of a reactable instance within a Shiny application.

**Usage**

```
getReactableState(outputId, name = NULL, session = NULL)
```



**Arguments**

outputId	The Shiny output ID of the reactable instance.
name	Name of a state value to get. One of "page", "pageSize", "pages", or "selected". If unspecified, all values will be returned in a named list.
session	The Shiny session object. Defaults to the current Shiny session.

**Value**

If name is specified, one of the following values:

- page: the current page
- pageSize: the page size
- pages: the number of pages
- selected: the selected rows - a numeric vector of row indices, or NULL if no rows are selected

If name is unspecified, getReactableState() returns a named list containing all values.

If the table has not been rendered yet, getReactableState() returns NULL.

**Examples**

```
# Run in an interactive R session
if (interactive()) {

  library(shiny)
  library(reactable)

  ui <- fluidPage(
    actionButton("prev_page_btn", "Previous page"),
    actionButton("next_page_btn", "Next page"),
    reactableOutput("table"),
    verbatimTextOutput("table_state")
  )

  server <- function(input, output) {
    output$table <- renderReactable({
      reactable(
        iris,
        showPageSizeOptions = TRUE,
        selection = "multiple"
      )
    })

    output$table_state <- renderPrint({
      state <- req(getReactableState("table"))
      print(state)
    })

    observeEvent(input$prev_page_btn, {
      # Change to the previous page
      page <- getReactableState("table", "page")
    })
  }
}
```

```
    if (page > 1) {
      updateReactable("table", page = page - 1)
    }
  })

  observeEvent(input$next_page_btn, {
    # Change to the next page
    state <- getReactableState("table")
    if (state$page < state$pages) {
      updateReactable("table", page = state$page + 1)
    }
  })
}

shinyApp(ui, server)
}
```

---

reactable

*Create an interactive data table*

---

## Description

`reactable()` creates a data table from tabular data with sorting and pagination by default. The data table is an HTML widget that can be used in R Markdown documents and Shiny applications, or viewed from an R console.

## Usage

```
reactable(
  data,
  columns = NULL,
  columnGroups = NULL,
  rownames = NULL,
  groupBy = NULL,
  sortable = TRUE,
  resizable = FALSE,
  filterable = FALSE,
  searchable = FALSE,
  defaultColDef = NULL,
  defaultColGroup = NULL,
  defaultSortOrder = "asc",
  defaultSorted = NULL,
  pagination = TRUE,
  defaultPageSize = 10,
  showPageSizeOptions = FALSE,
  pageSizeOptions = c(10, 25, 50, 100),
  paginationType = "numbers",
```

```

    showPagination = NULL,
    showPageInfo = TRUE,
    minRows = 1,
    details = NULL,
    defaultExpanded = FALSE,
    selection = NULL,
    selectionId = NULL,
    defaultSelected = NULL,
    onClick = NULL,
    highlight = FALSE,
    outlined = FALSE,
    bordered = FALSE,
    borderless = FALSE,
    striped = FALSE,
    compact = FALSE,
    wrap = TRUE,
    showSortIcon = TRUE,
    showSortable = FALSE,
    class = NULL,
    style = NULL,
    rowClass = NULL,
    rowStyle = NULL,
    fullWidth = TRUE,
    width = "auto",
    height = "auto",
    theme = getOption("reactable.theme"),
    language = getOption("reactable.language"),
    elementId = NULL
  )

```

### Arguments

data	A data frame or matrix. Can also be a <a href="#">crosstalk::SharedData</a> object that wraps a data frame.
columns	Named list of column definitions. See <a href="#">colDef()</a> .
columnGroups	List of column group definitions. See <a href="#">colGroup()</a> .
rownames	Show row names? Defaults to TRUE if the data has row names. To customize the row names column, use ".rownames" as the column name.
groupBy	Character vector of column names to group by. To aggregate data when rows are grouped, use the aggregate argument in <a href="#">colDef()</a> .
sortable	Enable sorting? Defaults to TRUE.
resizable	Enable column resizing?
filterable	Enable column filtering?
searchable	Enable global table searching?
defaultColDef	Default column definition used by every column. See <a href="#">colDef()</a> .

<code>defaultColGroup</code>	Default column group definition used by every column group. See <code>colGroup()</code> .
<code>defaultSortOrder</code>	Default sort order. Either "asc" for ascending order or "desc" for descending order. Defaults to "asc".
<code>defaultSorted</code>	Character vector of column names to sort by default. Or to customize sort order, a named list with values of "asc" or "desc".
<code>pagination</code>	Enable pagination? Defaults to TRUE.
<code>defaultPageSize</code>	Default page size for the table. Defaults to 10.
<code>showPageSizeOptions</code>	Show page size options?
<code>pageSizeOptions</code>	Page size options for the table. Defaults to 10, 25, 50, 100.
<code>paginationType</code>	Pagination control to use. Either "numbers" for page number buttons (the default), "jump" for a page jump, or "simple" to show 'Previous' and 'Next' buttons only.
<code>showPagination</code>	Show pagination? Defaults to TRUE if the table has more than one page.
<code>showPageInfo</code>	Show page info? Defaults to TRUE.
<code>minRows</code>	Minimum number of rows to show per page. Defaults to 1.
<code>details</code>	Additional content to display when expanding a row. An R function that takes a row index argument or a <code>JS()</code> function that takes a row info object as an argument. Can also be a <code>colDef()</code> to customize the details expander column.
<code>defaultExpanded</code>	Expand all rows by default?
<code>selection</code>	Enable row selection? Either "multiple" or "single" for multiple or single row selection. To get the selected rows in Shiny, use <code>getReactableState()</code> . To customize the selection column, use ".selection" as the column name.
<code>selectionId</code>	Shiny input ID for the selected rows. The selected rows are given as a numeric vector of row indices, or NULL if no rows are selected. <b>NOTE:</b> <code>selectionId</code> will be deprecated in a future release. Use <code>getReactableState()</code> to get the selected rows in Shiny instead.
<code>defaultSelected</code>	A numeric vector of default selected row indices.
<code>onClick</code>	Action to take when clicking a cell. Either "expand" to expand the row, "select" to select the row, or a <code>JS()</code> function that takes a row info object, column info object, and table state object as arguments.
<code>highlight</code>	Highlight table rows on hover?
<code>outlined</code>	Add borders around the table?
<code>bordered</code>	Add borders around the table and every cell?
<code>borderless</code>	Remove inner borders from table?

<code>striped</code>	Add zebra-stripping to table rows?
<code>compact</code>	Make tables more compact?
<code>wrap</code>	Enable text wrapping? If TRUE (the default), long text will be wrapped to multiple lines. If FALSE, text will be truncated to fit on one line.
<code>showSortIcon</code>	Show a sort icon when sorting columns?
<code>showSortable</code>	Show an indicator on sortable columns?
<code>class</code>	Additional CSS classes to apply to the table.
<code>style</code>	Inline styles to apply to the table. A named list or character string. Note that if <code>style</code> is a named list, property names should be camelCased.
<code>rowClass</code>	Additional CSS classes to apply to table rows. A character string, a <code>JS()</code> function that takes a row info object and table state object as arguments, or an R function that takes a row index argument.
<code>rowStyle</code>	Inline styles to apply to table rows. A named list, character string, <code>JS()</code> function that takes a row info object and table state object as arguments, or an R function that takes a row index argument. Note that if <code>rowStyle</code> is a named list, property names should be camelCased. If <code>rowStyle</code> is a <code>JS()</code> function, it should return a JavaScript object with camelCased property names.
<code>fullWidth</code>	Stretch the table to fill the full width of its container? Defaults to TRUE.
<code>width</code>	Width of the table in pixels. Defaults to "auto" for automatic sizing. To set the width of a column, see <code>colDef()</code> .
<code>height</code>	Height of the table in pixels. Defaults to "auto" for automatic sizing.
<code>theme</code>	Theme options for the table, specified by <code>reactableTheme()</code> . Defaults to the global <code>reactable.theme</code> option. Can also be a function that returns a <code>reactableTheme()</code> or NULL.
<code>language</code>	Language options for the table, specified by <code>reactableLang()</code> . Defaults to the global <code>reactable.language</code> option.
<code>elementId</code>	Element ID for the widget.

**Value**

A reactable HTML widget that can be used in R Markdown documents and Shiny applications, or viewed from an R console.

**Note**

See the [online documentation](#) for additional details and examples.

**See Also**

- `renderReactable()` and `reactableOutput()` for using reactable in Shiny applications or interactive R Markdown documents.
- `colDef()`, `colFormat()`, and `colGroup()` to customize columns.
- `reactableTheme()` and `reactableLang()` to customize the table.

## Examples

```
# Basic usage
reactable(iris)

# Grouping and aggregation
reactable(iris, groupBy = "Species", columns = list(
  Sepal.Length = colDef(aggregate = "count"),
  Sepal.Width = colDef(aggregate = "mean"),
  Petal.Length = colDef(aggregate = "sum"),
  Petal.Width = colDef(aggregate = "max")
))

# Row details
reactable(iris, details = function(index) {
  htmltools::div(
    "Details for row: ", index,
    htmltools::tags$pre(paste(capture.output(iris[index, ]), collapse = "\n"))
  )
})

# Conditional styling
reactable(sleep, columns = list(
  extra = colDef(style = function(value) {
    if (value > 0) {
      color <- "green"
    } else if (value < 0) {
      color <- "red"
    } else {
      color <- "#777"
    }
  })
  list(color = color, fontWeight = "bold")
}))
```

---

reactable-shiny

*Shiny bindings for reactable*

---

## Description

Output and render functions for using reactable within Shiny applications and interactive R Markdown documents.

## Usage

```
reactableOutput(outputId, width = "auto", height = "auto", inline = FALSE)
```

```
renderReactable(expr, env = parent.frame(), quoted = FALSE)
```

## Arguments

outputId	Output variable to read from.
width, height	A valid CSS unit (like "100%", "400px", "auto") or a number, which will be coerced to a string and have "px" appended.
inline	Use an inline element for the table's container?
expr	An expression that generates a <a href="#">reactable</a> widget.
env	The environment in which to evaluate expr.
quoted	Is expr a quoted expression (with <a href="#">quote()</a> )? This is useful if you want to save an expression in a variable.

## Value

`reactableOutput()` returns a reactable output element that can be included in a Shiny UI.

`renderReactable()` returns a reactable render function that can be assigned to a Shiny output slot.

## Note

See the [online demo](#) for additional examples of using reactable in Shiny.

## See Also

[updateReactable\(\)](#) for updating a reactable instance in Shiny.

[getReactableState\(\)](#) for getting the state of a reactable instance in Shiny.

## Examples

```
# Run in an interactive R session
if (interactive()) {

  library(shiny)
  library(reactable)

  ui <- fluidPage(
    titlePanel("reactable example"),
    reactableOutput("table")
  )

  server <- function(input, output, session) {
    output$table <- renderReactable({
      reactable(iris)
    })
  }

  shinyApp(ui, server)
}
```

---

reactableLang	<i>Language options</i>
---------------	-------------------------

---

### Description

Use `reactableLang()` to customize the language strings in a table. Language strings include both visible text and accessible labels that can be read by assistive technology, such as screen readers.

To set the default language strings for all tables, use the global `reactable.language` option.

### Usage

```
reactableLang(
  sortLabel = "Sort {name}",
  filterPlaceholder = "",
  filterLabel = "Filter {name}",
  searchPlaceholder = "Search",
  searchLabel = "Search",
  noData = "No rows found",
  pageNext = "Next",
  pagePrevious = "Previous",
  pageNumbers = "{page} of {pages}",
  pageInfo = "{rowStart}\u2013{rowEnd} of {rows} rows",
  pageSizeOptions = "Show {rows}",
  pageNextLabel = "Next page",
  pagePreviousLabel = "Previous page",
  pageNumberLabel = "Page {page}",
  pageJumpLabel = "Go to page",
  pageSizeOptionsLabel = "Rows per page",
  defaultGroupHeader = "Grouped",
  detailsExpandLabel = "Expand details",
  detailsCollapseLabel = "Collapse details",
  selectAllRowsLabel = "Select all rows",
  deselectAllRowsLabel = "Deselect all rows",
  selectAllSubRowsLabel = "Select all rows in group",
  deselectAllSubRowsLabel = "Deselect all rows in group",
  selectRowLabel = "Select row",
  deselectRowLabel = "Deselect row"
)
```

### Arguments

<code>sortLabel</code>	Accessible label for column sort buttons. Takes a <code>{name}</code> parameter for the column name.
<code>filterPlaceholder</code>	Placeholder for column filter inputs.
<code>filterLabel</code>	Accessible label for column filter inputs. Takes a <code>{name}</code> parameter for the column name.



searchPlaceholder	Placeholder for the table search input.
searchLabel	Accessible label for the table search input.
noData	Placeholder text when the table has no data.
pageNext	Text for the next page button.
pagePrevious	Text for the previous page button.
pageNumbers	Text for the page numbers info. Only used with the "jump" and "simple" pagination types. Takes the following parameters: <ul style="list-style-type: none"> <li>• {page} for the current page</li> <li>• {pages} for the total number of pages</li> </ul>
pageInfo	Text for the page info. Takes the following parameters: <ul style="list-style-type: none"> <li>• {rowStart} for the starting row of the page</li> <li>• {rowEnd} for the ending row of the page</li> <li>• {rows} for the total number of rows</li> </ul>
pageSizeOptions	Text for the page size options input. Takes a {rows} parameter for the page size options input.
pageNextLabel	Accessible label for the next page button.
pagePreviousLabel	Accessible label for the previous page button.
pageNumberLabel	Accessible label for the page number buttons. Only used with the the "numbers" pagination type. Takes a {page} parameter for the page number.
pageJumpLabel	Accessible label for the page jump input. Only used with the "jump" pagination type.
pageSizeOptionsLabel	Accessible label for the page size options input.
defaultGroupHeader	Header for default column groups. Only used for groupBy columns.
detailsExpandLabel	Accessible label for the row details expand button.
detailsCollapseLabel	Accessible label for the row details collapse button.
selectAllRowsLabel	Accessible label for the select all rows checkbox.
deselectAllRowsLabel	Accessible label for the deselect all rows checkbox.
selectAllSubRowsLabel	Accessible label for the select all sub rows checkbox.
deselectAllSubRowsLabel	Accessible label for the deselect all sub rows checkbox.
selectRowLabel	Accessible label for the select row checkbox
deselectRowLabel	Accessible label for the deselect row checkbox.

**Value**

A language options object that can be used to customize the language strings in `reactable()`.

**Examples**

```
reactable(
  iris[1:30, ],
  searchable = TRUE,
  paginationType = "simple",
  language = reactableLang(
    searchPlaceholder = "Search...",
    noData = "No entries found",
    pageInfo = "{rowStart}\u2013{rowEnd} of {rows} entries",
    pagePrevious = "\u276e",
    pageNext = "\u276f",

    # Accessible labels for assistive technology, such as screen readers
    pagePreviousLabel = "Previous page",
    pageNextLabel = "Next page"
  )
)

# Set the default language for all tables
options(reactable.language = reactableLang(
  searchPlaceholder = "Search...",
  noData = "No entries found",
  pageInfo = "{rowStart} to {rowEnd} of {rows} entries"
))

reactable(iris[1:30, ], searchable = TRUE)
```

---

reactableTheme

*Theme options*

---

**Description**

Use `reactableTheme()` to customize the default styling of a table. You can set theme variables to change the default styles, or add custom CSS to specific elements of the table.

The color variables are specified as character strings of CSS color values. The width and padding variables are specified as either character strings of CSS width and padding values, or numeric pixel values. The style arguments take custom CSS as named lists of camelCased properties.

To set the default theme for all tables, use the global `reactable.theme` option.

**Usage**

```
reactableTheme(
  color = NULL,
```

```

    backgroundColor = NULL,
    borderColor = NULL,
    borderWidth = NULL,
    stripedColor = NULL,
    highlightColor = NULL,
    cellPadding = NULL,
    style = NULL,
    tableStyle = NULL,
    headerStyle = NULL,
    groupHeaderStyle = NULL,
    tableBodyStyle = NULL,
    rowGroupStyle = NULL,
    rowStyle = NULL,
    rowStripedStyle = NULL,
    rowHighlightStyle = NULL,
    rowSelectedStyle = NULL,
    cellStyle = NULL,
    footerStyle = NULL,
    inputStyle = NULL,
    filterInputStyle = NULL,
    searchInputStyle = NULL,
    selectStyle = NULL,
    paginationStyle = NULL,
    pageButtonStyle = NULL,
    pageButtonHoverStyle = NULL,
    pageButtonActiveStyle = NULL,
    pageButtonCurrentStyle = NULL
  )

```

### Arguments

color	Default text color.
backgroundColor	Default background color.
borderColor	Default border color.
borderWidth	Default border width.
stripedColor	Default row stripe color.
highlightColor	Default row highlight color.
cellPadding	Default cell padding.
style	Additional CSS for the table.
tableStyle	Additional CSS for the table element (excludes the pagination bar and search input).
headerStyle	Additional CSS for header cells.
groupHeaderStyle	Additional CSS for group header cells.
tableBodyStyle	Additional CSS for the table body element.

rowGroupStyle	Additional CSS for row groups.
rowStyle	Additional CSS for rows.
rowStripedStyle	Additional CSS for striped rows.
rowHighlightStyle	Additional CSS for highlighted rows.
rowSelectedStyle	Additional CSS for selected rows.
cellStyle	Additional CSS for cells.
footerStyle	Additional CSS for footer cells.
inputStyle	Additional CSS for inputs.
filterInputStyle	Additional CSS for filter inputs.
searchInputStyle	Additional CSS for the search input.
selectStyle	Additional CSS for table select controls.
paginationStyle	Additional CSS for the pagination bar.
pageButtonStyle, pageButtonHoverStyle, pageButtonActiveStyle, pageButtonCurrentStyle	Additional CSS for page buttons, page buttons with hover or active states, and the current page button.

## Details

You can use nested CSS selectors in style arguments to target the current element, using & as the selector, or other child elements (just like in Sass). This is useful for adding pseudo-classes like &:hover, or adding styles in a certain context like .outer-container &.

## Value

A theme options object that can be used to customize the default styling in reactable().

## Examples

```
reactable(
  iris[1:30, ],
  searchable = TRUE,
  striped = TRUE,
  highlight = TRUE,
  bordered = TRUE,
  theme = reactableTheme(
    borderColor = "#dfe2e5",
    stripedColor = "#f6f8fa",
    highlightColor = "#f0f5f9",
    cellPadding = "8px 12px",
    style = list(
      fontFamily = "-apple-system, BlinkMacSystemFont, Segoe UI, Helvetica, Arial, sans-serif"
```

```

    ),
    searchInputStyle = list(width = "100%")
  )
)

# Set the default theme for all tables
options(reactable.theme = reactableTheme(
  color = "hsl(233, 9%, 87%)",
  backgroundColor = "hsl(233, 9%, 19%)",
  borderColor = "hsl(233, 9%, 22%)",
  stripedColor = "hsl(233, 12%, 22%)",
  highlightColor = "hsl(233, 12%, 24%)",
  inputStyle = list(backgroundColor = "hsl(233, 9%, 25%)",
  selectStyle = list(backgroundColor = "hsl(233, 9%, 25%)",
  pageButtonHoverStyle = list(backgroundColor = "hsl(233, 9%, 25%)",
  pageButtonActiveStyle = list(backgroundColor = "hsl(233, 9%, 28%)")
))

reactable(
  iris[1:30, ],
  filterable = TRUE,
  showPageSizeOptions = TRUE,
  striped = TRUE,
  highlight = TRUE,
  details = function(index) paste("Details for row", index)
)

# Use nested selectors to highlight headers when sorting
reactable(
  iris[1:30, ],
  columns = list(Sepal.Length = colDef(sortable = FALSE)),
  showSortable = TRUE,
  theme = reactableTheme(
    headerStyle = list(
      "&:hover[aria-sort]" = list(background = "hsl(0, 0%, 96%)"),
      "&[aria-sort='ascending'], &[aria-sort='descending']" = list(background = "hsl(0, 0%, 96%)"),
      borderColor = "#555"
    )
  )
)
)

```

---

updateReactable

*Update a reactable instance*


---

### Description

updateReactable() updates a reactable instance within a Shiny application.

**Usage**

```
updateReactable(
  outputId,
  data = NULL,
  selected = NULL,
  expanded = NULL,
  page = NULL,
  session = NULL
)
```

**Arguments**

<code>outputId</code>	The Shiny output ID of the reactable instance.
<code>data</code>	Table data. A data frame or matrix. data should have the same columns as the original table data. When updating data, the selected rows, expanded rows, and current page will reset unless explicitly specified. All other state will persist, including sorting, filtering, and grouping state.
<code>selected</code>	Selected rows. Either a numeric vector of row indices, or NA to deselect all rows.
<code>expanded</code>	Expanded rows. Either TRUE to expand all rows, or FALSE to collapse all rows.
<code>page</code>	The current page. A single, positive integer.
<code>session</code>	The Shiny session object. Defaults to the current Shiny session.

**Value**

None

**Examples**

```
# Run in an interactive R session
if (interactive()) {

  library(shiny)
  library(reactable)

  data <- MASS::Cars93[, 1:7]

  ui <- fluidPage(
    actionButton("select_btn", "Select rows"),
    actionButton("clear_btn", "Clear selection"),
    actionButton("expand_btn", "Expand rows"),
    actionButton("collapse_btn", "Collapse rows"),
    actionButton("page_btn", "Change page"),
    selectInput("filter_type", "Filter type", unique(data$type), multiple = TRUE),
    reactableOutput("table")
  )

  server <- function(input, output) {
    output$table <- renderReactable({
```

```
    reactable(  
      data,  
      filterable = TRUE,  
      searchable = TRUE,  
      selection = "multiple",  
      details = function(index) paste("Details for row:", index)  
    )  
  })  
  
  observeEvent(input$select_btn, {  
    # Select rows  
    updateReactable("table", selected = c(1, 3, 5))  
  })  
  
  observeEvent(input$clear_btn, {  
    # Clear row selection  
    updateReactable("table", selected = NA)  
  })  
  
  observeEvent(input$expand_btn, {  
    # Expand all rows  
    updateReactable("table", expanded = TRUE)  
  })  
  
  observeEvent(input$collapse_btn, {  
    # Collapse all rows  
    updateReactable("table", expanded = FALSE)  
  })  
  
  observeEvent(input$page_btn, {  
    # Change current page  
    updateReactable("table", page = 3)  
  })  
  
  observe({  
    # Filter data  
    filtered <- if (length(input$filter_type) > 0) {  
      data[data$Type %in% input$filter_type, ]  
    } else {  
      data  
    }  
    updateReactable("table", data = filtered)  
  })  
}  
  
shinyApp(ui, server)  
}
```

# Index

colDef, [2](#)  
colDef(), [5](#), [11–13](#)  
colFormat, [4](#)  
colFormat(), [3](#), [13](#)  
colGroup, [7](#)  
colGroup(), [11–13](#)  
crosstalk::SharedData, [11](#)

getReactableState, [8](#)  
getReactableState(), [12](#), [15](#)

JS(), [3](#), [4](#), [8](#), [12](#), [13](#)

NA, [3](#)  
NaN, [3](#)

quote(), [15](#)

reactable, [10](#), [15](#)  
reactable(), [3](#)  
reactable-shiny, [14](#)  
reactableLang, [16](#)  
reactableLang(), [13](#)  
reactableOutput (reactable-shiny), [14](#)  
reactableOutput(), [13](#)  
reactableTheme, [18](#)  
reactableTheme(), [13](#)  
renderReactable (reactable-shiny), [14](#)  
renderReactable(), [13](#)

updateReactable, [21](#)  
updateReactable(), [15](#)