

# Package ‘cleanrmd’

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**Title** Clean Class-Less 'R Markdown' HTML Documents

**Version** 0.1.1

**Description** A collection of clean 'R Markdown' HTML document templates using classy-looking classless CSS styles. These documents use a minimal set of dependencies but still look great, making them suitable for use a package vignettes or for sharing results via email.

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**URL** <https://pkg.garrickadenbuie.com/cleanrmd/>,  
<https://github.com/gadenbuie/cleanrmd>

**BugReports** <https://github.com/gadenbuie/cleanrmd/issues>

**Depends** R (>= 2.10)

**Imports** htmltools, jsonlite, rmarkdown, utils

**Suggests** testthat (>= 2.1.0)

**Encoding** UTF-8

**RoxygenNote** 7.2.3

**NeedsCompilation** no

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cleanrmd_themes	<i>List cleanrmd themes</i>
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## Description

Lists the available themes in **cleanrmd**

## Usage

```
cleanrmd_themes()
```

## Value

A character string of available theme names.

## cleanrmd theme list

**cleanrmd** includes the following no-class CSS themes:

- **almond**
- **awsm.css**
- **axist**
- **bamboo**
- **bullframe**

- holiday
- kacist
- latex.css
- markdown-splendor
- markdown-retro
- markdown-air
- markdown-modest
- marx
- minicss
- new.css
- no-class
- picocss
- sakura
- sakura-vader
- semantic
- simplecss
- style-sans
- style-serif
- stylize
- superstylin
- tacit
- vanilla
- water
- water-dark
- writ

## **Examples**

```
cleanrmd_themes()
```

---

html\_document\_clean *Clean Rmarkdown HTML Document*

---

## Description

Clean HTML documents with R Markdown.

## Usage

```
html_document_clean(
  ...,
  theme = "no-class",
  css = NULL,
  toc = FALSE,
  toc_depth = 3,
  title_in_header = TRUE,
  mathjax = NULL,
  use_fontawesome = FALSE,
  fig_width = 10,
  fig_height = 7,
  fig_retina = 2,
  keep_md = FALSE,
  dev = "png",
  highlight = "default",
  pandoc_args = NULL,
  extra_dependencies = NULL,
  md_extensions = NULL,
  self_contained = !is.null(theme)
)
```

## Arguments

...	Additional function arguments to pass to the base R Markdown HTML output formatter <a href="#">html_document_base</a>
theme	The class-less CSS theme to use, one of <a href="#">cleanrmd_themes()</a> .
css	CSS and/or Sass files to include. Files with an extension of .sass or .scss are compiled to CSS via <code>sass::sass()</code> . Also, if theme is a <a href="#">bslib::bs_theme()</a> object, Sass code may reference the relevant Bootstrap Sass variables, functions, mixins, etc.
toc	TRUE to include a table of contents in the output
toc_depth	Depth of headers to include in table of contents
title_in_header	If TRUE (default), the title, subtitle, author, and date are placed in a <header> tag. This is semantically correct HTML but some CSS frameworks work better with this structure than others.

mathjax	Include mathjax. The "default" option uses an https URL from a MathJax CDN. The "local" option uses a local version of MathJax (which is copied into the output directory). You can pass an alternate URL or pass NULL to exclude MathJax entirely.
use_fontawesome	Should links to FontAwesome be included in the HTML document's <head>? Only enable if you are including FontAwesome icons in your HTML document.
fig_width	Default width (in inches) for figures
fig_height	Default height (in inches) for figures
fig_retina	Scaling to perform for retina displays (defaults to 2, which currently works for all widely used retina displays). Set to NULL to prevent retina scaling. Note that this will always be NULL when keep_md is specified (this is because fig_retina relies on outputting HTML directly into the markdown document).
keep_md	Keep the markdown file generated by knitting.
dev	Graphics device to use for figure output (defaults to png)
highlight	<p>Syntax highlight engine and style, either a built-in Pandoc highlighting theme, a theme provided by <b>rmarkdown</b>, or a <b>prismjs</b> theme (see below). Pass NULL to prevent syntax highlighting.</p> <p><b>Pandoc themes.</b> By default, uses Pandoc's highlighting style. Pandoc's built-in styles include "tango", "pygments", "kate", "monochrome", "espresso", "zenburn", "haddock" and "breezedark".</p> <p>Two custom styles are also included, "arrow", an accessible color scheme, and "rstudio", which mimics the default IDE theme. Alternatively, supply a path to a .theme to use a <b>custom Pandoc style</b>. Note that custom themes require Pandoc 2.0+.</p> <p><b>Prism themes.</b> To use the <b>prismjs</b> syntax highlighter, pass one of "prism", "prism-coy", "prism-dark", "prism-funky", "prism-okaidia", "prism-solarizedlight", "prism-tomorrow", or "prism-twilight". To use an alternate Prism theme file, pass the URL or path to the theme's CSS file prefixed with "prism:", e.g. prism:my-theme.css. Note that the Prism dependencies are not embedded into self-contained documents so they will require an active internet connection to work.</p>
pandoc_args	Additional command line options to pass to pandoc
extra_dependencies	Extra dependencies as a list of the html_dependency class objects typically generated by <code>htmltools::htmlDependency()</code> .
md_extensions	Markdown extensions to be added or removed from the default definition of R Markdown. See the <code>rmarkdown::format</code> for additional details.
self_contained	Produce a standalone HTML file with no external dependencies, using data: URIs to incorporate the contents of linked scripts, stylesheets, images, and videos. Note that even for self contained documents MathJax is still loaded externally (this is necessary because of its size).

### Value

An R Markdown output format that can be used with `output:` in an .Rmd or for use with `rmarkdown::render()`.

**MathJax**

Note that MathJax is disabled by default to reduce the overall size of the final document. You can enable MathJax by setting `mathjax = "default"`, see [rmarkdown::html\\_document\(\)](#) for more options.

**See Also**

[use\\_cleanrmd\(\)](#) for using cleanrmd themes in places other than in R Markdown documents

**Examples**

```
if (interactive()) {
  html_document_clean()
}

## Not run:
rmarkdown::render("input.Rmd", html_document_clean())

## End(Not run)
```

---

use_cleanrmd	<i>Use a clean CSS theme from cleanrmd</i>
--------------	--

---

**Description**

Provides a **cleanrmd** CSS theme using **htmltools**. You can use this CSS theme anywhere that HTML dependencies are handled via [htmltools::htmlDependency\(\)](#), for example in R Markdown or Quarto documents or in Shiny apps.

**Usage**

```
use_cleanrmd(name = NULL)

cleanrmd_theme_dependency(name = NULL)
```

**Arguments**

`name` The name of the theme, see [cleanrmd\\_themes\(\)](#) for a list of available themes. If NULL, all themes will be loaded with a simple drop down theme picker.

**Value**

`use_cleanrmd()` returns an [htmltools::tagList\(\)](#) with an [htmltools::htmlDependency\(\)](#). `cleanrmd_theme_dependency()` returns only the [htmltools::htmlDependency\(\)](#).

## Functions

- `use_cleanrmd()`: Use a clean CSS theme in the current document or app (general usage)
- `cleanrmd_theme_dependency()`: Use a clean CSS theme dependency (advanced usage)

## R Markdown documents

In **R Markdown** (static or Shiny prerendered), you should use the `html_document_clean()` output format to use a cleanrmd theme.

```
---
output:
  cleanrmd::html_document_clean:
    theme: NULL # or pick a specific theme
    self_contained: false
---
```

## Quarto documents

You can also use **cleanrmd** in **Quarto** documents or apps (using `server: shiny`). You'll need to turn off the themes provided by Quarto with `theme: none` and then call `cleanrmd::use_cleanrmd()` in a code chunk in your document.

```
---
title: "Untitled"
format:
  html:
    theme: none
#server: shiny
---

```{r cleanrmd, echo=FALSE}
cleanrmd::use_cleanrmd("bamboo")
```
```

## Shiny apps

In Shiny apps, you'll need to use `shiny::basicPage()` rather than `shiny::fluidPage()`. Then call `use_cleanrmd()` in your app to use a cleanrmd theme.

```
library(shiny)

ui <- shiny::basicPage(
  cleanrmd::use_cleanrmd(),

  h2("Old Faithful Geyser Data"),

  sliderInput(
    "bins",
```

```

    "Number of bins:",
    min = 1,
    max = 50,
    value = 30
  ),
  plotOutput("distPlot")
)

```

### Examples

```

page <- htmltools::withTags(
  main(
    h2("Small Demo"),
    p("Clean, simple, classy but class-less:"),
    ul(
      li("Works almost anywhere"),
      li("Small and simple"),
      li("Easy to extend"),
      li("Good enough but not perfect")
    )
  )
)

# no styles
if (interactive()) {
  htmltools::browsable(page)
}

# all clean styles
page_clean <- htmltools::tagList(page, use_cleanrmd())
if (interactive()) {
  htmltools::browsable(page_clean)
}

# one clean style
page_water <- htmltools::tagList(page, use_cleanrmd("water"))
if (interactive()) {
  htmltools::browsable(page_water)
}

cleanrmd_theme_dependency("bamboo")

```

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