

Shiny Themes

If you've created any shiny app in the past, you're probably used to the default Bootstrap theme:

Default
Navbar 1
Plot
Table

File input:

Browse... No file sel

Text input:

general

Slider input:

1 30 100

1 11 21 31 41 51 61 71 81 91 100

Default actionButton:

Search

actionButton with CSS class:

Action button

Tab 1 Tab 2 Tab 3

Table

speed	dist
4.00	2.00
4.00	10.00
7.00	4.00
7.00	22.00

Verbatim text output

general, 30, NULL

Header 1

Header 2

Header 3

Header 4

Header 5

However, you can also easily alter the overall appearance of your Shiny application using the **shinythemes** package. Here are screenshots of the same application with different themes (click to enlarge):

Cerulean
Navbar 1
Plot
Table

Tab 1 Tab 2 Tab 3

Table

speed	dist
4.00	2.00
4.00	10.00
7.00	4.00
7.00	22.00

Verbatim text output

general, 30, NULL

Header 1

Header 2

Header 3

Header 4

Header 5

Cosmo
Navbar 1
Plot
Table

Tab 1 Tab 2 Tab 3

Table

speed	dist
4.00	2.00
4.00	10.00
7.00	4.00
7.00	22.00

Verbatim text output

general, 30, NULL

Header 1

Header 2

Header 3

Header 4

Header 5

Oyborg
Navbar 1
Plot
Table

Tab 1 Tab 2 Tab 3

Table

speed	dist
4.00	2.00
4.00	10.00
7.00	4.00
7.00	22.00

Verbatim text output

general, 30, NULL

Header 1

Header 2

Header 3

Header 4

Header 5

Darkly
Navbar 1
Plot
Table

Tab 1 Tab 2 Tab 3

Table

speed	dist
4.00	2.00
4.00	10.00
7.00	4.00
7.00	22.00

Verbatim text output

general, 30, NULL

Header 1

Header 2

Header 3

Header 4

Header 5

FlattyNavbar 1PlotTable

File Input:
Browse...No file selected

Text Input:
general

Slider Input:
0100

Default actionButton:
Search

actionButton with CSS class:
Action button

Tab 1Tab 2Tab 3

Table
speeddist
4.002.00
4.0010.00
7.004.00
7.0022.00

Verbatim text output
general, 30, 300L

Header 1
Header 2
Header 3
Header 4
Header 5

LumenNavbar 1PlotTable

File Input:
Browse...No file selected

Text Input:
general

Slider Input:
0100

Default actionButton:
Search

actionButton with CSS class:
Action button

Tab 1Tab 2Tab 3

Table
speeddist
4.002.00
4.0010.00
7.004.00
7.0022.00

Verbatim text output
general, 30, 300L

Header 1
Header 2
Header 3
Header 4
Header 5

ReadableNavbar 1PlotTable

File Input:
Browse...No file selected

Text Input:
general

Slider Input:
0100

Default actionButton:
Search

actionButton with CSS class:
Action button

Tab 1Tab 2Tab 3

Table
speeddist
4.002.00
4.0010.00
7.004.00
7.0022.00

Verbatim text output
general, 30, 300L

Header 1
Header 2
Header 3
Header 4
Header 5

JOURNALNavbar 1PlotTable

File Input:
Browse...No file selected

Text Input:
general

Slider Input:
0100

Default actionButton:
Search

actionButton with CSS class:
Action button

Tab 1Tab 2Tab 3

Table
speeddist
4.002.00
4.0010.00
7.004.00
7.0022.00

Verbatim text output
general, 30, 300L

Header 1
Header 2
Header 3
Header 4
Header 5

PaperNavbar 1PlotTable

File Input:
Browse...No file selected

Text Input:
general

Slider Input:
0100

Default actionButton:
Search

actionButton with CSS class:
Action button

Tab 1Tab 2Tab 3

Table
speeddist
4.002.00
4.0010.00
7.004.00
7.0022.00

Verbatim text output
general, 30, 300L

Header 1
Header 2
Header 3
Header 4
Header 5

SandstoneNavbar 1PlotTable

File Input:
Browse...No file selected

Text Input:
general

Slider Input:
0100

Default actionButton:
Search

actionButton with CSS class:
Action button

Tab 1Tab 2Tab 3

Table
speeddist
4.002.00
4.0010.00
7.004.00
7.0022.00

Verbatim text output
general, 30, 300L

Header 1
Header 2
Header 3
Header 4
Header 5

SimplexNavbar 1PlotTable

File Input:
Browse...No file selected

Text Input:
general

Slider Input:
0100

Default actionButton:
Search

actionButton with CSS class:
Action button

Tab 1Tab 2Tab 3

Table
speeddist
4.002.00
4.0010.00
7.004.00
7.0022.00

Verbatim text output
general, 30, 300L

Header 1
Header 2
Header 3
Header 4
Header 5

SlateNavbar 1PlotTable

File Input:
Browse...No file selected

Text Input:
general

Slider Input:
0100

Default actionButton:
Search

actionButton with CSS class:
Action button

Tab 1Tab 2Tab 3

Table
speeddist
4.002.00
4.0010.00
7.004.00
7.0022.00

Verbatim text output
general, 30, 300L

Header 1
Header 2
Header 3
Header 4
Header 5

SpacelabNavbar 1PlotTable

File Input:
Browse...No file selected

Text Input:
general

Slider Input:
0100

Default actionButton:
Search

actionButton with CSS class:
Action button

Tab 1Tab 2Tab 3

Table
speeddist
4.002.00
4.0010.00
7.004.00
7.0022.00

Verbatim text output
general, 30, 300L

Header 1
Header 2
Header 3
Header 4
Header 5

SuperheroNavbar 1PlotTable

File Input:
Browse...No file selected

Text Input:
general

Slider Input:
0100

Default actionButton:
Search

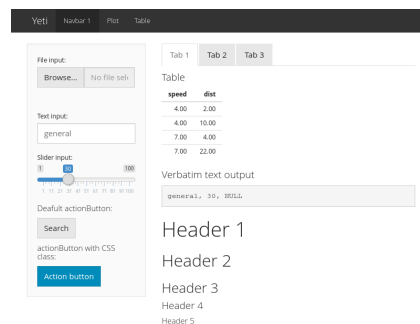
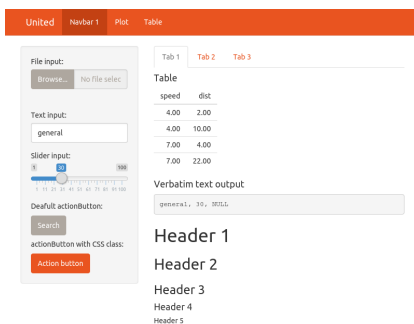
actionButton with CSS class:
Action button

Tab 1Tab 2Tab 3

Table
speeddist
4.002.00
4.0010.00
7.004.00
7.0022.00

Verbatim text output
general, 30, 300L

Header 1
Header 2
Header 3
Header 4
Header 5



All the themes are from <http://bootswatch.com/> (<http://bootswatch.com/>), and are MIT-licensed.

How to use it

shinythemes requires Shiny 0.11 or later. To install:

```
install.packages("shinythemes")
```

In your `ui.R`, use the `theme` argument to `bootstrapPage`, `fluidPage`, `navbarPage`, or `fixedPage`. The value should be `shinytheme("<theme>")`; for example, `shinytheme("cerulean")`.

```
## ui.R ##
library(shinythemes)

fluidPage(theme = shinytheme("cerulean"),
  ...
)
```

Similarly, if you have a single-file app:

```
## app.R ##
library(shinythemes)

shinyApp(
  ui = fluidPage(theme = shinytheme("united"),
    ...
  ),
  server = function(input, output) { }
)
```

Live theme selector

If you want to quickly test out different themes with an application, you can simply add `themeSelector()` somewhere to the UI. This will add a select box which lets you choose the theme. It will change the theme without having to reload or restart your app. You can see the theme selector in action here (<https://gallery.shinyapps.io/117-shinythemes/>).

The theme selector is only meant to be used while developing an application. Once you've decided on which theme to use, pass it to the `theme` argument as described earlier.

Here's an example app with the theme selector:

```
shinyApp(
  ui = fluidPage(
    shinythemes::themeSelector(), # <--- Add this somewhere in the UI
    sidebarPanel(
      textInput("txt", "Text input:", "text here"),
      sliderInput("slider", "Slider input:", 1, 100, 30),
      actionButton("action", "Button"),
      actionButton("action2", "Button2", class = "btn-primary")
    ),
    mainPanel(
      tabsetPanel(
        tabPanel("Tab 1"),
        tabPanel("Tab 2")
      )
    )
  ),
  server = function(input, output) {}
)
```

How it works

Bootstrap can use alternative CSS files in place of the stock `bootstrap.css` file. When the **shinythemes** package is loaded, it makes these alternate themes available to Shiny applications in a relative URL under `shinythemes/`.

The source code for shinythemes is available here (<https://github.com/rstudio/shinythemes>).

How to use other Bootstrap themes

If you want to use a Bootstrap theme that isn't included in **shinythemes**, you can include it in an app's `www/` subdirectory. The directory structure would be like this:

```
myapp
|-- server.R
|-- ui.R
|-- www/
|   |-- mytheme.css
```

Files in the `www/` directory are automatically made available to your app. Your `ui.R` file would look like this:

```
fluidPage(
  theme = "mytheme.css",
  ...
)
```