

Package ‘shinyChakraSlider’

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Title Combined Slider and Numeric Input for 'Shiny'

Version 0.1.0

Description Provides a combined slider and numeric input for use in a 'Shiny' app. The slider and the numeric input are linked together: each one is updated when the other one changes. Many styling properties are customizable (e.g. colors and size).

URL <https://github.com/stla/shinyChakraSlider>

BugReports <https://github.com/stla/shinyChakraSlider/issues>

License GPL-3

Encoding UTF-8

LazyData true

Imports htmltools, shiny, reactR, grDevices, utils

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NeedsCompilation no

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| | |
|-------------------|----------------------------|
| chakraNumberInput | <i>Chakra number input</i> |
|-------------------|----------------------------|

Description

This creates a number input in the Shiny UI.

Usage

```
chakraNumberInput(  
  inputId,  
  label = NULL,  
  value,  
  min,  
  max,  
  step = NULL,  
  size = "md",  
  options = list()  
)
```

Arguments

| | |
|---------|---|
| inputId | the input slot that will be used to access the value |
| label | the label for the widget; this can be some HTML code |
| value | initial value |
| min | minimum allowed value |
| max | maximum allowed value |
| step | stepping interval to use when adjusting the value |
| size | size of the widget, can be "sm" (small), "md" (medium) or "lg" (large) |
| options | a list of options for the number input created with numberInputOptions ; note that the width has to be set here |

| | |
|-------------------|----------------------|
| chakraSliderInput | <i>Chakra slider</i> |
|-------------------|----------------------|

Description

This creates a chakra slider in the Shiny UI. A chakra slider has two elements: a number input and a slider, which are linked together.

Usage

```
chakraSliderInput(
  inputId,
  label = NULL,
  value,
  min,
  max,
  step = NULL,
  width = "100%",
  size = "md",
  numberInputOptions = list(),
  trackColor = NULL,
  thumbOptions = list(),
  gap = "2rem"
)
```

Arguments

| | |
|--------------------|---|
| inputId | the input slot that will be used to access the value |
| label | the label for the widget; this can be some HTML code |
| value | initial value |
| min | minimum allowed value |
| max | maximum allowed value |
| step | stepping interval to use when adjusting the value |
| width | width of the widget, e.g. "50%" or "200px" |
| size | size of the widget, can be "sm" (small), "md" (medium) or "lg" (large) |
| numberInputOptions | list of options for the number input; see numberInputOptions |
| trackColor | color(s) for the track of the slider, can be a single color or a vector of two colors, one for the left side and one for the right side |
| thumbOptions | list of options for the thumb of the slider; see thumbOptions |
| gap | size of the gap between the number input and the slider, e.g. "3px" or "5%" |

Examples

```
library(shiny)
library(shinyChakraSlider)

ui <- fluidPage(
  br(),
  chakraSliderInput(
    "slider",
    label = tags$span(
      style = "font-size: 20px; font-style: italic; color: darkred;",
      "Chakra Slider"
    ),
  ),
```

```

value = 5, min = 0, max = 10, step = 0.5,
width = "50%", size = "lg",
numberInputOptions = numberInputOptions(
  width = "25%",
  fontSize = "15px",
  fontColor = "navyblue",
  borderColor = "gold",
  borderWidth = "medium",
  focusBorderColor = "navyblue",
  stepperColor = c("palegreen", "lightpink")
),
trackColor = c("lightpink2", "springgreen"),
thumbOptions = thumbOptions(
  width = "30px",
  height = "30px",
  color = "white",
  borderColor = "darkblue",
  borderWidth = "8px",
  icon = "circle",
  iconSize = "2.5em"
)
),
br(),
tags$div(
  style = "width: 50%;",
  wellPanel(
    style =
      "vertical-align: top; width: 150px; padding: 11.5px; float: left;",
    textOutput("value"),
  ),
  tags$div(
    style = "float: right;",
    actionButton("update", "Update value", class = "btn-danger btn-lg")
  )
)
)
)

server <- function(input, output, session){

  output[["value"]] <- renderText({
    paste0("Value: ", input[["slider"]])
  })

  observeEvent(input[["update"]], {
    updateChakraSliderInput(session, "slider", value = 8)
  })

}

if(interactive()){
  shinyApp(ui, server)
}

```

| | |
|--------------------|---|
| numberInputOptions | <i>Options for chakra number input or for the number input of a chakra slider</i> |
|--------------------|---|

Description

Create a list of options to be passed to numberInputOptions in [chakraNumberInput](#) or [chakraSliderInput](#).

Usage

```
numberInputOptions(  
  width = NULL,  
  fontSize = NULL,  
  fontColor = NULL,  
  borderColor = NULL,  
  focusBorderColor = NULL,  
  borderWidth = NULL,  
  stepperColor = NULL  
)
```

Arguments

| | |
|------------------|---|
| width | width of the number input, e.g. "100px" or "20%" |
| fontSize | font size of the displayed value, e.g. "15px" |
| fontColor | color of the displayed value |
| borderColor | color of the border of the number input |
| focusBorderColor | color of the border of the number input on focus |
| borderWidth | width of the border of the number input, e.g. "3px" or "medium" |
| stepperColor | color(s) of the steppers, can be a single color or a vector of two colors, one for each stepper (increment and decrement) |

| | |
|--------------|---|
| thumbOptions | <i>Options for the thumb of a chakra slider</i> |
|--------------|---|

Description

Create a list of options to be passed to thumbOptions in [chakraSliderInput](#)

Usage

```
thumbOptions(
  width = NULL,
  height = NULL,
  color = NULL,
  borderColor = NULL,
  borderWidth = NULL,
  icon = NULL,
  iconColor = NULL,
  iconSize = NULL
)
```

Arguments

| | |
|-------------|---|
| width | width of the thumb, e.g. "30px" |
| height | height of the thumb, e.g. "30px" |
| color | color of the thumb |
| borderColor | color of the border of the thumb |
| borderWidth | width of the border of the thumb, e.g. "3px" or "thin" |
| icon | an icon for the thumb, can be "circle", "dotCircle", "bigdotCircle" or "arrows" |
| iconColor | color of the icon |
| iconSize | size of the icon, e.g. "10px" or "3em" |

updateChakraNumberInput

Update a chakra number input

Description

Update the value of a chakra number input.

Usage

```
updateChakraNumberInput(session, inputId, value)
```

Arguments

| | |
|---------|---|
| session | the Shiny session object |
| inputId | the id of the chakra number input to update |
| value | the new value of the chakra number input |

updateChakraSliderInput

Update a chakra slider

Description

Update the value of a chakra slider.

Usage

```
updateChakraSliderInput(session, inputId, value)
```

Arguments

| | |
|---------|---------------------------------------|
| session | the Shiny session object |
| inputId | the id of the chakra slider to update |
| value | the new value of the chakra slider |

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