

# Package ‘shinyDatettimePickers’

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**Title** Some Datetime Pickers for 'Shiny'

**Version** 1.2.0

**Description** Provides three types of datetime pickers for usage in a 'Shiny' UI. A datetime picker is an input field for selecting both a date and a time.

**License** GPL-3

**URL** <https://github.com/stla/shinyDatettimePickers>

**BugReports** <https://github.com/stla/shinyDatettimePickers/issues>

**Imports** htmltools, lubridate, reactR, shiny

**Encoding** UTF-8

**RoxygenNote** 7.2.3

**NeedsCompilation** no

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**Repository** CRAN

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datetimeMaterialPickerInput  
*Material design datetime picker*

---

### Description

A datetime picker for a Shiny UI.

### Usage

```
datetimeMaterialPickerInput(  
  inputId,  
  label = NULL,  
  value = NULL,  
  disablePast = FALSE,  
  disableFuture = FALSE,  
  style = NULL  
)
```

### Arguments

inputId	the input slot that will be used to access the value
label	a label, a character string (HTML is not allowed), or NULL for no label
value	initial value, either a POSIXct object, or an object coercible to a POSIXct object; if NULL, it is set to the current time
disablePast	logical, whether to disable past dates
disableFuture	logical, whether to disable future dates
style	inline CSS for the container

### Value

A shiny.tag object that can be included in a Shiny UI.

### Examples

```
if(interactive()){  
  
  library(shinyDatetimePickers)  
  library(shiny)  
  
  ui <- fluidPage(  
    br(),  
    sidebarLayout(  
      sidebarPanel(  
        datetimeMaterialPickerInput(  
          "dtmpicker",
```

```
      label = "Appointment",
      disablePast = TRUE
    )
  ),
  mainPanel(
    verbatimTextOutput("dtmpicker")
  )
)
)

server <- function(input, output){
  output[["dtmpicker"]] <- renderPrint({
    input[["dtmpicker"]]
  })
}

shinyApp(ui, server)

}
```

---

datetimePickerInput    *Datetime picker*

---

## Description

A datetime picker for a Shiny UI.

## Usage

```
datetimePickerInput(inputId, value = NULL, style = NULL)
```

## Arguments

inputId	the input slot that will be used to access the value
value	initial value, either a POSIXct object, or an object coercible to a POSIXct object; if NULL, it is set to the current time
style	inline CSS for the container

## Value

A shiny.tag object that can be included in a Shiny UI.

## Examples

```
if(interactive()){
  library(shinyDatetimePickers)
  library(shiny)
```

```

ui <- fluidPage(
  br(),
  sidebarLayout(
    sidebarPanel(
      tags$fieldset(
        tags$legend("Click to change time"),
        datetimePickerInput(
          "dtpicker",
          style =
            "font-family: Montserrat, 'Segoe UI', Tahoma, sans-serif;"
        )
      )
    ),
    mainPanel(
      verbatimTextOutput("dtpicker")
    )
  )
)

server <- function(input, output){
  output[["dtpicker"]] <- renderPrint({
    input[["dtpicker"]]
  })
}

shinyApp(ui, server)
}

```

---

datetimeSliderPickerInput

*Datetime picker with sliders*

---

### Description

A datetime picker for a Shiny UI.

### Usage

```
datetimeSliderPickerInput(inputId, value = NULL, second = FALSE, save = FALSE)
```

### Arguments

inputId	the input slot that will be used to access the value
value	initial value, either a POSIXct object, or an object coercible to a POSIXct object; if NULL, it is set to the current time
second	logical, whether to enable the second picker
save	logical, whether to enable the 'save' button

**Value**

A shiny.tag object that can be included in a Shiny UI.

**Examples**

```
if(interactive()){
  library(shinyDatetimePickers)
  library(shiny)

  ui <- fluidPage(
    sidebarLayout(
      sidebarPanel(
        actionButton("setdt", label = as.character(Sys.time()),
                     class = "btn-info")
      ),
      mainPanel()
    )
  )

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

    datetime <- reactiveVal(Sys.time())

    observeEvent(input[["setdt"]], {
      showModal(modalDialog(
        datetimeSliderPickerInput("dtspicker", save = TRUE, value = datetime())
      ))
    })

    observeEvent(input[["dtspicker_save"]], {
      datetime(input[["dtspicker"]])
      removeModal()
      updateActionButton(session, "setdt",
                        label = as.character(input[["dtspicker"]]))
    })

  }

  shinyApp(ui, server)
}
```

---

updateDatetimeMaterialPickerInput

*Update a datetime material picker widget*

---

**Description**

Change the value of a datetime material picker input.

**Usage**

```
updateDatetimeMaterialPickerInput(session, inputId, value)
```

**Arguments**

session	the Shiny session object
inputId	the id of the datetime material picker widget to be updated
value	new value for the datetime material picker widget

**Value**

No returned value, this just updates the widget.

---

```
updateDatetimePickerInput
```

*Update a datetime picker widget*

---

**Description**

Change the value of a datetime picker input.

**Usage**

```
updateDatetimePickerInput(session, inputId, value)
```

**Arguments**

session	the Shiny session object
inputId	the id of the datetime picker widget to be updated
value	new value for the datetime picker widget

**Value**

No returned value, this just updates the widget.

---

updateDatetimeSliderPickerInput

*Update a datetime slider picker widget*

---

### **Description**

Change the value of a datetime slider picker input.

### **Usage**

```
updateDatetimeSliderPickerInput(session, inputId, value)
```

### **Arguments**

session	the Shiny session object
inputId	the id of the datetime slider picker widget to be updated
value	new value for the datetime slider picker widget

### **Value**

No returned value, this just updates the widget.

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