

# Package: niivuer (via r-universe)

December 30, 2024

**Title** 'NiiVue' for R

**Version** 0.0.1

**Description** What the package does (one paragraph).

**License** MIT + file LICENSE

**Encoding** UTF-8

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.2

**Imports** htmlwidgets (>= 1.6.2)

**Config/pak/sysreqs** make

**Repository** <https://dipterix.r-universe.dev>

**RemoteUrl** <https://github.com/dipterix/niivuer>

**RemoteRef** HEAD

**RemoteSha** 6fd1083faef4f69f9efe67fb3c1a9f086e29434a

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niivuer	<i>'NiiVue' for R</i>
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## Description

Creates a widget that bridges 'NiiVue', a powerful 3D brain viewer and R-shiny

**Usage**

```

niivuer(
  volume_list = list(list(url = "https://niivue.github.io/niivue/images/mni152.nii.gz",
    colormap = "gray"), list(url = "https://niivue.github.io/niivue/images/hippo.nii.gz",
    colormap = "red")),
  mesh_list = list(list(url =
    "https://niivue.github.io/niivue/images/BrainMesh_ICBM152.lh.mz3")),
  viewer_settings = list(setMultiplanarLayout = 2, setSliceMM = TRUE, setSliceType = 4),
  controller_settings = list(),
  ...,
  width = NULL,
  height = NULL,
  elementId = NULL
)

```

**Arguments**

volume_list	list of items, each item is a volume file
mesh_list	list of items, each item is a mesh file
viewer_settings	initial call to set viewer status
controller_settings	initial controller settings
...	application settings
width, height	widget size
elementId	passed to <a href="#">createWidget</a> .

**Value**

A 'niivuer' widget

**Examples**

```

if( interactive() ) {
  niivuer()
}

```

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`niivuer-shiny`*Shiny bindings for 'NiiVue'*

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**Description**

Output and render functions for using niivuer within Shiny applications and interactive Rmd documents.

**Usage**

```
niivuerOutput(outputId, width = "100%", height = "500px")
```

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

**Arguments**

<code>outputId</code>	output variable to read from
<code>width, height</code>	Must be a valid CSS unit (like '100%', '500px', 'auto') or a number, which will be coerced to a string and have 'px' appended.
<code>expr</code>	An expression that generates a niivuer
<code>env</code>	The environment in which to evaluate <code>expr</code> .
<code>quoted</code>	Is <code>expr</code> a quoted expression (with <code>quote()</code> )? This is useful if you want to save an expression in a variable.

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