Package 'randomcoloR'

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Type Package

Title Generate Attractive Random Colors

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Description Simple methods to generate attractive random colors. The random colors are from a wrapper of 'randomColor.js' <https://github.com/davidmerfield/randomColor>. In addition, it also generates optimally distinct colors based on k-means (inspired by 'IWantHue' <https://github.com/medialab/iwanthue>).

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BugReports https://github.com/ronammar/randomcoloR/issues

LazyData TRUE

RoxygenNote 6.0.1

Imports colorspace, stringr, V8, stats, methods, scales, Rtsne, grDevices, cluster

NeedsCompilation no

Repository CRAN

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R topics documented:

distinctColorPalette *Generate palettes of optimally distinct colors.*

Description

Inspired by the the theory from http://tools.medialab.sciences-po.fr/iwanthue/theory.php For more info, also see https://en.wikipedia.org/wiki/Lab_color_space

Usage

```
distinctColorPalette(k = 1, altCol = FALSE, runTsne = FALSE)
```

Arguments

k	number of colors (>= 1). May be ineffective for k > 40.
altCol	Use an alternate color space
runTsne	Preprocess color space with t-SNE to obtain distinct colors. Reduces performance.

Value

A character vector of k optimally distinct colors in hexadecimal codes.

randomColor *Get a pretty random color.*

Description

Get a pretty random color.

Usage

```
randomColor(count = 1, hue = c(" ", "random", "red", "orange", "yellow",
  "green", "blue", "purple", "pink", "monochrome"), luminosity = c(" ",
  "random", "light", "bright", "dark"))
```

Arguments

count	number of colors (>= 1)
hue	The hue of the colors to be selected.
luminosity	The luminosity of the colors to be selected.

Value

A character vector of random color hexadecimal codes.

Examples

```
randomColor()

randomColor(hue="pink")

randomColor(10, luminosity="light")
```

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