

Package ‘rijkspalette’

February 7, 2019

Type Package

Title Create Colour Palettes Based on Famous Artworks from the Rijksmuseum

Version 1.0.1

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Description Create colour palettes based on famous paintings. Using the function `rijksPalette()`, you can search for any painting in the collection of the Dutch Rijksmuseum and generate a colour palette from it. This package was developed using the fantastic Rijksmuseum API <<https://www.rijksmuseum.nl/api>>.

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URL <https://vankesteren.github.io/rijkspalette>

BugReports <https://github.com/vankesteren/rijkspalette/issues>

Encoding UTF-8

LazyData true

Imports imager, utils, crayon, grDevices, jsonlite, curl

RoxygenNote 6.1.1

Suggests manipulate

NeedsCompilation no

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Repository CRAN

Date/Publication 2019-02-07 17:00:03 UTC

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explore

Explore a rijkspalette

Description

This function plots the available colours in ab-space along with the cluster centroids used to generate the palette. By manipulating the number of clusters, each distinct colour category can receive its own centroid. This function was designed to work in RStudio.

Usage

```
explore(x, ...)
```

Arguments

x	A rijkspalette object
...	other arguments passed to plot function

See Also

[tune](#)
[rijksPalette](#)

rijksPalette*Rijkspalette function*

Description

This function queries the Rijksmuseum collection for paintings and returns a colour palette based on colours from that painting.

Usage

```
rijksPalette(query)
```

Arguments

query	Keyword to search for in the collection of the Rijksmuseum
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Value

an object of type rijkspalette

See Also

[tune](#)
[explore](#)

Examples

```
pal <- rijksPalette("Vermeer Letter")  
  
plot(pal)  
barplot(1/sqrt(1:15), col = pal$palette(15))
```

tune	<i>Tune a rijkspalette</i>
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Description

This function tunes the extracted palette from an image in a `rijksPalette` object. Often, the defaults need to be tuned a little to get the nicest results.

Usage

```
tune(x, lightness, k)
```

Arguments

<code>x</code>	rijkspalette object
<code>lightness</code>	overall lightness between 0 (darkest) and 1 (brightest)
<code>k</code>	number of colours to extract

See Also

[explore](#)
[rijksPalette](#)

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