

Package ‘Rdune’

July 18, 2024

Type Package

Title 'Creates Color Palettes Inspired by Dune'

Version 1.1.0

Maintainer Nicholas Vietto <nicholasvietto@gmail.com>

Description Enables the use of color palettes inspired by the 'Dune' movies. These palettes are compatible with 'ggplot2'. See Wickham (2016) <doi:10.1007/978-3-319-24277-4> for more details on 'ggplot2'.

License MIT + file LICENSE

Encoding UTF-8

RoxygenNote 7.3.1

Imports ggplot2, graphics, grDevices

Suggests knitr, rmarkdown, testthat (>= 3.0.0)

Config/testthat/edition 3

VignetteBuilder knitr

URL <https://github.com/nvietto/Rdune>

BugReports <https://github.com/nvietto/Rdune/issues>

NeedsCompilation no

Author Nicholas Vietto [aut, cre, cph]

Repository CRAN

Date/Publication 2024-07-18 12:50:02 UTC

Contents

dune_palette	2
dune_palettes	2
print.palette	3
scale_color_dune_c	3
scale_color_dune_d	4
scale_fill_dune_c	4
scale_fill_dune_d	5

Index**6**

dune_palette	<i>Creates color palettes inspired by 'Dune'</i>
--------------	--

Description

Creates color palettes inspired by 'Dune'

Usage

```
dune_palette(name, n, type = c("discrete", "continuous"))
```

Arguments

name	Name of palette. Run <code>names(dune_palettes)</code> to view options.
n	Number of desired colors: If the requested number of colors exceeds the available palette, additional colors will be automatically interpolated. If the number of colors (n) is not specified, the default length of the palette will be used.
type	Specify either "continuous" or "discrete". Use "continuous" if you want to automatically interpolate between colors.

Value

A vector of colors.

dune_palettes	<i>Complete list of palettes. Use <code>names(dune_palettes)</code> to return all palette names.</i>
---------------	--

Description

Complete list of palettes. Use `names(dune_palettes)` to return all palette names.

Usage

```
dune_palettes
```

Format

An object of class `list` of length 15.

print.palette	<i>Function for printing palette</i>
---------------	--------------------------------------

Description

Function for printing palette

Usage

```
## S3 method for class 'palette'  
print(x, ...)
```

Arguments

x	Name of palette
...	Other arguments

Value

A vector of colors.

Examples

```
pal <- dune_palette("atreides")  
print.palette(pal)
```

scale_color_dune_c	<i>Dune palettes for plotting with 'ggplot2'</i>
--------------------	--

Description

Dune palettes for plotting with 'ggplot2'

Usage

```
scale_color_dune_c(name, ...)
```

Arguments

name	Name of palette. Run names(dune_palettes) to view options
...	Other arguments passed on to scale_color_gradientn

Value

An object defining a continuous color scale for use with 'ggplot2'.

Examples

```
library(ggplot2)
ggplot(data = mtcars, aes(x = mpg, y = disp, color = hp)) +
  geom_point() +
  scale_color_dune_c("atreides3")
```

scale_color_dune_d *Dune palettes for plotting with 'ggplot2'*

Description

Dune palettes for plotting with 'ggplot2'

Usage

```
scale_color_dune_d(name, ...)
```

Arguments

name	Name of palette. Run names(dune_palettes) to view options
...	Other arguments passed on to discrete_scale

Value

An object defining a discrete color scale for use with 'ggplot2'.

Examples

```
library(ggplot2)
ggplot(data = mtcars, aes(x = mpg, y = disp, color = factor(cyl))) +
  geom_point() +
  scale_color_dune_d("harkonnen4")
```

scale_fill_dune_c *Dune palettes for plotting with 'ggplot2'*

Description

Dune palettes for plotting with 'ggplot2'

Usage

```
scale_fill_dune_c(name, ...)
```

Arguments

name Name of palette. Run `names(dune_palettes)` to view options
... Other arguments passed on to `scale_fill_gradientn`

Value

An object defining a continuous fill scale for use with 'ggplot2'.

Examples

```
library(ggplot2)
ggplot(data = mtcars, aes(x = mpg, y = disp, fill = wt)) +
  geom_point() +
  scale_fill_dune_c("fermen2")
```

scale_fill_dune_d *Dune palettes for plotting with 'ggplot2'*

Description

Dune palettes for plotting with 'ggplot2'

Usage

```
scale_fill_dune_d(name, ...)
```

Arguments

name Name of palette. Run `names(dune_palettes)` to view options
... Other arguments passed on to `discrete_scale`

Value

An object defining a discrete fill scale for use with 'ggplot2'.

Examples

```
library(ggplot2)
ggplot(data = mtcars, aes(x = mpg, y = disp, fill = factor(cyl))) +
  geom_point() +
  scale_fill_dune_d("harkonnen4")
```

Index

* datasets

dune_palettes, 2

discrete_scale, 4, 5

dune_palette, 2

dune_palettes, 2

print.palette, 3

scale_color_dune_c, 3

scale_color_dune_d, 4

scale_color_gradientn, 3

scale_fill_dune_c, 4

scale_fill_dune_d, 5

scale_fill_gradientn, 5