

# Package ‘Rdune’

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**Type** Package

**Title** 'Creates Color Palettes Inspired by Dune'

**Version** 1.1.1

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**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>, <https://nvietto.github.io/Rdune/>

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

**NeedsCompilation** no

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**Repository** CRAN

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

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

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print.palette	<i>Function for printing palette</i>
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**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)
```

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scale_color_dune_c	<i>Dune palettes for plotting with 'ggplot2'</i>
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**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 <a href="#">scale_color_gradientn</a>

**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")
```

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scale\_color\_dune\_d     *Dune palettes for plotting with 'ggplot2'*

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**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 <a href="#">discrete_scale</a>

**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")
```

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