

Package ‘nudibranch’

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Title Colour Palettes Inspired by Sea Slugs and Nudibranchs of Sydney

Version 0.0.1.1

Description A collection of colour palettes derived from photographs of nudis and sea slugs I have encountered in intertidal zones and shallow rocky reefs around Sydney, Australia. Palettes can be used in base R or with 'ggplot2'.

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Imports ggplot2

Encoding UTF-8

RoxygenNote 7.3.3

URL <https://github.com/nikihubbard/nudibranch>

BugReports <https://github.com/nikihubbard/nudibranch/issues>

NeedsCompilation no

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nudibranch_palette *Get a nudibranch colour palette*

Description

Get a nudibranch colour palette

Usage

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

Arguments

name	Name of the palette (e.g. "hypselodoris"). If NULL, prints all available palette names.
n	Number of colours to return. If NULL, returns all colours.
type	Either "discrete" or "continuous".

Value

A character vector of hex colour codes.nudibranch_palette. The palette name is stored as an attribute. If name is NULL, returns a named list of all available palettes invisibly.

Examples

```
nudibranch_palette("hypselodoris")  
nudibranch_palette("elysia", n = 3)
```

nudibranch_palettes *Nudibranch colour palettes*

Description

A named list of colour palettes inspired by nudibranchs and sea slugs photographed in Australian waters.

Usage

```
nudibranch_palettes
```

Format

An object of class list of length 12.

```
print.nudibranch_palette
```

Print a nudibranch palette

Description

Print a nudibranch palette

Usage

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

Arguments

x	A nudibranch_palette object
...	Additional arguments (ignored)

Value

Invisibly returns x. Called for its side effect of printing the palette name and hex colour codes to the console.

```
scale_colour_nudibranch
```

ggplot2 colour scale using a nudibranch palette

Description

ggplot2 colour scale using a nudibranch palette

Usage

```
scale_colour_nudibranch(name, n = NULL, type = "discrete", ...)
```

Arguments

name	Name of the palette (e.g. "hypselodoris")
n	Number of colours. If NULL, returns all colours in the palette.
type	Either "discrete" or "continuous"
...	Additional arguments passed to ggplot2

Value

A ggplot2 scale object that can be added to a ggplot. Specifically a ScaleDiscrete object created by [scale_colour_manual](#)

scale_fill_nudibranch *ggplot2 fill scale using a nudibranch palette*

Description

ggplot2 fill scale using a nudibranch palette

Usage

```
scale_fill_nudibranch(name, n = NULL, type = "discrete", ...)
```

Arguments

name	Name of the palette (e.g. "hypselerodorus")
n	Number of colours. If NULL, returns all colours in the palette.
type	Either "discrete" or "continuous"
...	Additional arguments passed to ggplot2

Value

A ggplot2 scale object that can be added to a ggplot. Specifically a ScaleDiscrete object created by [scale_fill_manual](#)

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