Package 'ltc'

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Title Collection of Artistic and Nature-Inspired Color Palettes

Version 0.2.0

Description Offers a variety of color palettes inspired by art, nature, and personal
inspirations. Each palette is accompanied by a unique backstory, enriching the
understanding and significance of the colors.

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Encoding UTF-8

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URL https://github.com/loukesio/ltc-color-palettes

BugReports https://github.com/loukesio/ltc-color-palettes/issues

Imports dplyr, ggforce, ggplot2

Language en-US

Suggests spelling

NeedsCompilation no

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Contents

| bird | *Plot a Colour Palette as a Bird* |

Description

Visualizes a selected colour palette in the form of a bird drawing.

Usage

```
bird(chrom)
```

Arguments

chrom   A vector of colours from one of the `ltc` palettes.

Value

A ggplot2 object showing a bird drawing using the selected colours.

Examples

```
## Not run:
paloma <- ltc("paloma")
bird(paloma)

## End(Not run)
```

| col2transparent | *col2transparent* |

Description

R color to transparent conversion.

Usage

```
col2transparent(col, alpha.perc = 0)
```

Arguments

col   R color name or R color pal. This parameter is mandatory.

alpha.perc   An alpha-transparency level in percent. Default value is 0.

Value

A character vector with elements of 9 characters, followed by the red, blue, green and alpha values in hexadecimal (after rescaling to 0 ... 255).

Author(s)

Kristian K Ullrich

See Also

grDevices::palette()

Examples

```
paloma <- ltc("paloma")
paloma <- col2transparent(paloma,50)
plts(paloma)
```

---

info	*Information about the Colour Palettes*

Description

This dataframe contains the backstory or inspiration behind each color palette.

Usage

```
info
```

Format

An object of class data.frame with 24 rows and 2 columns.

---

ltc	*List of colour palettes*

Description

A list containing predefined colour palettes with artistic backstories.

This function provides the desired colour palette by name.

Usage

```
palettes
```

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

Arguments

name	Character. The name of the desired palette.
n	Integer. The number of colors you want from the palette. If omitted, it uses all colors from the palette.
type	The type of palette. Either "discrete" or "continuous".

Format

An object of class list of length 24.

Details

ltc: A Collection of Art-inspired Colour Palettes

This package provides a collection of color palettes inspired by art, nature, and personal preferences. Each palette has a backstory, providing context and meaning to the colors.

Value

A vector of hex color codes

Examples

```
## Not run:
ltc("paloma")
ltc("dora", n = 3)

## End(Not run)
```

---

pltc *Plot a Colour Palette*

Description

Visualizes a selected colour palette as a bar of colours.

Usage

```
pltc(chromata, ...)
```

Arguments

chromata	A vector of colours from one of the ltc palettes.
...	Additional arguments passed on to ggplot functions.

Value

A ggplot2 object showing the selected colours.

Examples

```
## Not run:
paloma <- ltc("paloma")
pltc(paloma)

## End(Not run)
```

---

plts   *Plot a Colour Palette as a Sinus Curve*

Description

Visualizes a selected colour palette as a sinusoidal curve.

Usage

```
plts(chromata, ...)
```

Arguments

chromata   A vector of colours from one of the ltc palettes.

...   Additional arguments passed on to ggplot functions.

Value

A sinusoidal curve with the selected colors.

Examples

```
## Not run:
paloma <- ltc("paloma")
plts(paloma)

## End(Not run)
```