Package: colourlookup (via r-universe)

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Type Package

Title Fast Conversion of Hex Colours and R Colour Names to Integer Arrays of RGBA Values and Packed Integer Native Format

Version 0.1.1.9003

Maintainer Mike Cheng <mikefc@coolbutuseless.com>

Description Fast lookup of rgb values for R colour names using an order-preserving minimal perfect hash. Also includes fast lookup of RGBA values for hexadecimal colours.

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Encoding UTF-8

LazyData true

RoxygenNote 7.3.2

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

Repository https://coolbutuseless.r-universe.dev

RemoteUrl https://github.com/coolbutuseless/colourlookup

RemoteRef HEAD

RemoteSha f6337a4a6b0b0ad0ddbf9679387b8ceaa73a9a1d

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col_to_packed_int *Convert colours-as-strings to packed integer colours for nativeRasters*

Description

Convert colours-as-strings to packed integer colours for nativeRasters

Usage

```
col_to_packed_int(col)
```

Arguments

col	Character vector of colour names. Supports all R colour names (e.g. "red", "hotpink") and hex colours of the form: "#RRGGBBAA", "#RRGGBB", "#RGBA" and "#RGB".

Value

integer vector

col_to_rgb *Convert colours-as-strings to a matrix of RGBA integers*

Description

This is a proof-of-concept drop-in replacement for `grDevices::col2rgb()` which uses an order-preserving minimal perfect hash to lookup R colour names.

Usage

```
col_to_rgb(col)
```

Arguments

col	Character vector of colour names. Supports all R colour names (e.g. "red", "hotpink") and hex colours of the form: "#RRGGBBAA", "#RRGGBB", "#RGBA" and "#RGB".

Examples

```
col_to_rgb(c("hotpink", "#abc", "#aabb99", "#aabb9980"))
```

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