Package 'ColorPalette'

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Title Color Palettes Generator

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Description Different methods to generate a color palette based on a specified base color and a number of colors that should be created.

Depends R (>= 3.0.0)

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LazyData true

NeedsCompilation no

Repository CRAN

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R topics documented:

complement *complement*

Description

This function returns the complement color of a rgb color

Usage

```
complement(hex, typeVal = "")
```

Arguments

hex	The base color specified as hex
typeVal	Can be specified as split or double. Default is empty.

Examples

```
complement("#121314")
```

complementColors *complement colors*

Description

This function generates a color plate with the complement color

Usage

```
complementColors(baseColor, count)
```

Arguments

baseColor	The base color specified as hex
count	Number of colors the palette should contain

Examples

```
complementColors("#121314", 5)
```

generateMonochromaticColors *Monochromatic*

Description

This function generates a specified number of monochromatic colors for a given base color

Usage

```
generateMonochromaticColors(baseColor, count)
```

Arguments

baseColor	The base color specified as hex
count	Number of colors the palette should contain

Examples

```
generateMonochromaticColors("#121314", 5)
```

hsv2rgb *hsv2rgb convert*

Description

This function converts the values of a color from hsv color space to rgb.

Usage

```
hsv2rgb(h, s, v)
```

Arguments

h	Hue of the color
s	Saturation of the color
v	Value of the color

Examples

```
hsv2rgb(150,0.2,0.6)
```

pentadic *pentadic*

Description

This function returns pentadic colors to a given hex color

Usage

```
pentadic(hex)
```

Arguments

hex	The base color specified as hex

Examples

```
pentadic("#121314")
```

tetradic *tetradic*

Description

This function returns tetradic colors to a given hex color

Usage

```
tetradic(hex)
```

Arguments

hex	The base color specified as hex

Examples

```
tetradic("#121314")
```

tetradicColors *tetradic colors*

Description

This function generates a specified number of tetradic colors for a given base color

Usage

```
tetradicColors(baseColor, count)
```

Arguments

baseColor	The base color specified as hex
count	Number of colors the palette should contain

Examples

```
tetradicColors("#121314", 5)
```

triadic *triadic*

Description

This function returns triadic colors to a given hex color

Usage

```
triadic(hex)
```

Arguments

hex	The base color specified as hex

Examples

```
triadic("#121314")
```

`triadicColors` *triadic colors*

Description

This function generates a specified number of triadic colors for a given base color

Usage

```
triadicColors(baseColor, count)
```

Arguments

`baseColor`	The base color specified as hex
`count`	Number of colors the palette should contain

Examples

```
triadicColors("#121314", 5)
```

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