

Package ‘WrensBookshelf’

July 21, 2025

Title A Collection of Palettes and Some Functions to Help Use Them

Version 0.1.0

Imports ggplot2

Description A collection of color palettes that were extracted from various books on my sons(Wren) bookshelf. Also included are a number of functions and wrappers to utilize them, as well as to subset the palettes to desired number/specific colors.

License MIT + file LICENSE

Encoding UTF-8

RoxygenNote 7.1.2

URL <https://github.com/buveges/WrensBookshelf>

BugReports <https://github.com/buveges/WrensBookshelf/issues>

NeedsCompilation no

Author Benjamin Uveges [aut, cre] (ORCID:
<<https://orcid.org/0000-0002-8981-8970>>)

Maintainer Benjamin Uveges <uvegesbti@gmail.com>

Repository CRAN

Date/Publication 2022-08-15 09:10:04 UTC

Contents

scale_color_WB_c	2
scale_color_WB_d	2
scale_fill_WB_c	3
scale_fill_WB_d	4
ShowBook	4
ShowBookshelf	5
WB_brewer	6
WB_subset_brewer	7
WrensBookshelf	8

Index	9
--------------	----------

scale_color_WB_c	<i>Use WrensBookshelf with ggplot</i>
------------------	---------------------------------------

Description

Wrapper function to allow easy integration with ggplot2. Sets continuous color scale.

Usage

```
scale_color_WB_c(name, direction = 1, ...)
```

Arguments

name	Name of palette from WrensBookshelf.
direction	Direction you want the palette to proceed; 1 = direction shown in ShowBookshelf() or ShowBook(), -1 = reversed.
...	See scale_color_gradientn() for additional params.

Value

No return value, integrates WB_brewer into ggplot2 function.

Examples

```
ggplot2::ggplot(mtcars, ggplot2::aes(x=disp,y=wt, color = mpg))+
  ggplot2::geom_point(size=3)+
  scale_color_WB_c(name = "WhatWellBuild")
```

scale_color_WB_d	<i>Use WrensBookshelf with ggplot</i>
------------------	---------------------------------------

Description

Wrapper function to allow easy integration with ggplot2. Sets discrete color scale

Usage

```
scale_color_WB_d(name, direction = 1, override.order = FALSE, ...)
```

Arguments

name	Name of palette from WrensBookshelf.
direction	Direction you want the palette to proceed; 1 = direction shown in ShowBookshelf() or ShowBook(), -1 = reversed.
override.order	Argument used to override the prescribed order that colors are selected from palettes for discrete palettes where n < length(palette). Default = FALSE.
...	See discrete_scale() for additional params.

Value

No return value, integrates WB_brewer into ggplot2 function.

Examples

```
ggplot2::ggplot(mtcars, ggplot2::aes(x = disp, y = wt, color = factor(cyl)))+
  ggplot2::geom_point(size=3)+
  scale_color_WB_d(name = "YouMatter")
```

scale_fill_WB_c	<i>Use WrensBookshelf with ggplot</i>
-----------------	---------------------------------------

Description

Wrapper function to allow easy integration with ggplot2. Sets continuous fill scale.

Usage

```
scale_fill_WB_c(name, direction = 1, ...)
```

Arguments

name	Name of palette from WrensBookshelf.
direction	Direction you want the palette to proceed; 1 = direction shown in ShowBookshelf() or ShowBook(), -1 = reversed.
...	See scale_color_gradientn() for additional params.

Value

No return value, integrates WB_brewer into ggplot2 function.

Examples

```
ggplot2::ggplot(mtcars, ggplot2::aes(x = disp, y = wt, fill= mpg))+
  ggplot2::geom_point(size=3, shape = 21)+
  scale_fill_WB_c(name = "WhatWellBuild")
```

scale_fill_WB_d	<i>Use WrensBookshelf with ggplot</i>
-----------------	---------------------------------------

Description

Wrapper function to allow easy integration with ggplot2. Sets discrete color scale.

Usage

```
scale_fill_WB_d(name, direction = 1, override.order = FALSE, ...)
```

Arguments

name	Name of palette from WrensBookshelf.
direction	Direction you want the palette to proceed; 1 = direction shown in ShowBookshelf() or ShowBook(), -1 = reversed.
override.order	Argument used to override the prescribed order that colors are selected from palettes for discrete palettes where $n < \text{length}(\text{palette})$. Default = FALSE.
...	See discrete_scale() for additional params.

Value

No return value, integrates WB_brewer into ggplot2 function.

Examples

```
ggplot2::ggplot(mtcars, ggplot2::aes(x = disp, y = wt, fill = factor(cyl)))+
  ggplot2::geom_point(size = 3, shape = 21)+
  scale_fill_WB_d(name = "YouMatter")
```

ShowBook	<i>View a book palette</i>
----------	----------------------------

Description

Generates a graphic object using a specified palette from WrensBookshelf.

Usage

```
ShowBook(name)
```

Arguments

name	Name of desired palette.
------	--------------------------

Value

Graphic object.

Examples

```
ShowBook(name = "BabyWrenAndTheGreatGift")
```

ShowBookshelf	<i>View all of Wren's Books</i>
---------------	---------------------------------

Description

Generates a graphic object with desired subset of palettes from WrensBookshelf.

Usage

```
ShowBookshelf(CVDsafe = FALSE, BestFor = NA)
```

Arguments

- | | |
|---------|--|
| CVDsafe | Argument used to restrict displayed palettes to those that are color vision deficiency (CVD) safe. Default is FALSE, set to TRUE to enact filter. |
| BestFor | Argument used to restrict displayed palettes to those that are best for either continuous or discrete data types. Arguments are "discrete" or "continuous" |

Value

Graphic object.

Examples

```
ShowBookshelf()  
ShowBookshelf(CVDsafe = TRUE, BestFor = "continuous")
```

WB_brewer

*Customize WrensBookshelf palettes***Description**

Function used to create continuous/discrete palettes using the palettes in WrensBookshelf.

Usage

```
WB_brewer(
  name,
  n,
  type = c("discrete", "continuous"),
  direction = c(1, -1),
  override.order = FALSE
)
```

Arguments

name	Name of palette from WrensBookshelf
n	Number of colors to select, or size of continuous palette if $n > \text{length}(\text{palette})$
type	Type of palette you wish to generate ("continuous" or "discrete")
direction	Direction you want the palette to proceed; 1 = direction shown in ShowBookshelf() or ShowBook(), -1 = reversed.
override.order	Argument used to override the prescribed order that colors are selected from palettes for discrete palettes where $n < \text{length}(\text{palette})$. Default = FALSE.

Value

A color palette.

Examples

```
WB_brewer(name = "BabyWrenAndTheGreatGift", type = "continuous", n = 200)
WB_brewer(name = "JulienIsAMermaid", type = "discrete",
  direction = -1, n = 7, override.order = TRUE)
```

WB_subset_brewer

*Customize WrensBookshelf palettes***Description**

Function used to create customized continuous/discrete palettes using the palettes in WrensBookshelf, offering more specific control over selected colors than WB_brewer.

Usage

```
WB_subset_brewer(
  name,
  n = NA,
  LCR,
  type = c("continuous", "discrete"),
  direction = c(1, -1),
  n2 = NULL
)
```

Arguments

name	Name of palette from WrensBookshelf.
n	Number of colors to select/subset.
LCR	Location from which you want select n colors from in specified palette ("left", "right", "center"). Can also use a vector of specific color numbers within palette (e.g. c(1,4,7))
type	Type of palette you wish to generate ("continuous" or "discrete")
direction	Direction you want the palette to proceed; 1 = direction shown in ShowBookshelf() or ShowBook(), -1 = reversed.
n2	If type = "continuous", length of palette to generate.

Value

Color palette.

Examples

```
WB_subset_brewer(name = "JulienIsAMermaid", n = 5,
                  LCR = "left", type = "continuous", n2 = 200)
WB_subset_brewer(name = "WhereTheWildThingsAre", type = "discrete", LCR = c(1,4,5,6))
```

`WrensBookshelf`*Complete list of palettes.*

Description

Use `names(WrensBookshelf)` to display all possible palette names. Current available palettes: `BabyBeluga`, `BabyWrenAndTheGreatGift`, `BlueberriesForSal`, `BoTheBrave`, `BoTheBraveCVDS`, `BurtDow`, `BurtDowCVDS`, `CapsForSale`, `GustavoTheShyGhostCover`, `GustavoTheShyGhostGraveyard`, `HaroldAndThePurpleCrayon`, `JeffGoesWild`, `JulienIsAMermaid`, `LittleBlueHouseBesideTheSeaCont`, `LittleBlueHouseBesideTheSeaDisc`, `Madelline`, `MakeWayForDucklings`, `MoreThanALittle`, `OhThePlacesYoullGo`, `Opposites`, `StackTheCats`, `TheDucklingGetsACookie`, `TheHoneybee`, `TheHoneybeeDiverging`, `ThePoutPoutFish`, `TheSnowyDay`, `TheStoryOfBabar`, `TheseWordsIShapedForYou`, `ThisMooseBelongsToMe`, `ThreeLittleVikings`, `TigerDays`, `TinyPerfectThings`, `Vampenguin`, `WhatWellBuild`, `WhereTheWildThingsAre`, and `YouMatter`.

Usage`WrensBookshelf`**Format**

An object of class `list` of length 40.

Value

No return value, sets a list of palettes to be used with `WrensBookshelf` functions

Index

* **datasets**

WrensBookshelf, [8](#)

scale_color_WB_c, [2](#)

scale_color_WB_d, [2](#)

scale_fill_WB_c, [3](#)

scale_fill_WB_d, [4](#)

ShowBook, [4](#)

ShowBookshelf, [5](#)

WB_brewer, [6](#)

WB_subset_brewer, [7](#)

WrensBookshelf, [8](#)