

# Package ‘RanglaPunjab’

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**Title** Displays Palette of 5 Colors

**Version** 2.3.4

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**Description** Displays palette of 5 colors based on photos depicting the unique and vibrant culture of Punjab in Northern India. Since Punjab translates to “Land of 5 Rivers” there are 5 colors per palette. If users need more than 5 colors, they can merge 2 to 3 palettes to create their own color-combination, or they can cherry-pick their own custom colors. Users can view up to 3 palettes together. Users can also list all the palette choices. And last but not least, users can see the photo that inspired a particular palette.

**Depends** R (>= 3.5.0)

**License** GPL-2

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 6.0.1

**Imports** jpeg, shiny, tidyverse

**Suggests** knitr, rmarkdown

**VignetteBuilder** knitr

**NeedsCompilation** no

**Repository** CRAN

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CherryPickPalette      *Cherry Pick Palette — Getting Facelift*

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**Description**

This function allows user to cherry pick colors from 2 to 3 palettes

**Usage**

```
CherryPickPalette(name, name2 = NULL, name3 = NULL, ...)
```

**Arguments**

name	Name of 1st palette
name2	Name of 2nd palette
name3	Name of 3rd (optional) palette
...	Numeric, complex, or logical vectors

**Value**

user-defined palette of colors

**Examples**

```
CherryPickPalette("GoldenTemple", "AmritsariPedeWaliLassi")
CherryPickPalette("BiryaniRice", "Kulfi", "Haveli2")
```

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ListPalette      *List Palette*

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**Description**

This function returns list of all palettes

**Usage**

```
ListPalette()
```

**Value**

List of palettes

**Examples**

```
ListPalette()
```

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MergePalette	<i>Merge Palette</i>
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**Description**

This function takes 2 or 3 palettes and returns a palette of 10 or 15 colors (in the unlikely event there are duplicates, then return less than 10 or 15)

**Usage**

```
MergePalette(name, name2 = NULL, name3 = NULL, ...)
```

**Arguments**

name	Name of 1st palette
name2	Name of 2nd palette
name3	Name of 3rd (optional) palette
...	Numeric, complex, or logical vectors

**Value**

Vector of 10 or 15 color values (in the unlikely event there are duplicates, then return less than 10 or 15 colors)

**Examples**

```
MergePalette("AmritsariKulcha", "Phulkari2")  
MergePalette("Gidha", "Jutti2")  
MergePalette("FieldsOfPunjab", "GoldenTemple2", "Jutti3")
```

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PaintPalette	<i>Paint Palette</i>
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**Description**

This function paints an image of up to 3 palettes

**Usage**

```
PaintPalette(name = NULL, name2 = NULL, name3 = NULL, ...)
```

**Arguments**

name	Name of 1st palette
name2	Name of 2nd (optional) palette
name3	Name of 3rd (optional) palette
...	Numeric, complex, or logical vectors

**Value**

image of colors and description

**Examples**

```
PaintPalette("Pindh")
PaintPalette("FieldsOfPunjab", "Jutti")
PaintPalette("FieldsOfPunjab", "Jutti", "Paranda")
```

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RanglaPunjab

*Palette of 5 Colors*

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**Description**

This function returns a palette of 5 colors

**Usage**

```
RanglaPunjab(name = NULL, ...)
```

**Arguments**

name	Palette name
...	Numeric, complex, or logical vectors

**Value**

Vector of 5 color values

**Examples**

```
RanglaPunjab("GoldenTemple")
RanglaPunjab("SohniMahiwal")
RanglaPunjab("Teej")
```

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ShowPalettePhoto	<i>Show Palette Photo</i>
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**Description**

This function shows photo that inspired a palette

**Usage**

```
ShowPalettePhoto(name = NULL, ...)
```

**Arguments**

name	palette name
...	Numeric, complex, or logical vectors

**Value**

image of reference photo with palette

**Examples**

```
ShowPalettePhoto("GoldenTemple")  
ShowPalettePhoto("Kulfi")  
ShowPalettePhoto("AmritsariPedeWaliLassi")
```

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