

# Converting Colors

Hex(81B27F)

Have a look what the booklet for  
Hex(81B27F) contains.

<b>Hex(81B27F)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(81B27F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81B27F
RGB	129, 178, 127
RGB Percent	51%, 70%, 50%
CMY	0.4941, 0.3020, 0.5020
CMYK	0.28, 0.00, 0.29, 0.30
HSL	118°, 25%, 60%
HSV	118°, 29%, 70%
XYZ	28.8044, 38.0402, 25.9030
YIQ	157.5350, -12.8330, -26.2490

# Conversions

## Conversions Part 2

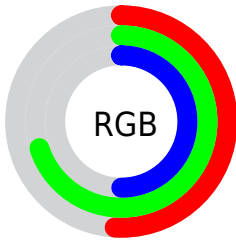
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 178, 176
Decimal	8499839
CIELab	68.05, -26.44, 20.99
CIELCh	68, 33.756, 141.553
Yxy	38.0402, 0.3106, 0.4101
Android (android.graphics.Color)	4286689919 (0xFF81B27F)
YUV	157.5350, -15.0538, -25.0252
Hunter-Lab	61.6768, -24.5708, 18.2731

# Details

The Hex color **81B27F** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **B07FB2**, and the grayscale version is **9E9E9E**.

A 20% lighter version of the original color is **B7EAB4**, and **4E7D4D** is the 20% darker color. If you saturate the color by 10%, you get **70B26D**, and if you desaturate by 10%, it is **92B291**.

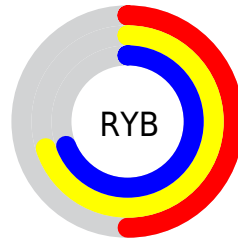
# Distribution



Red (51%)

Green (70%)

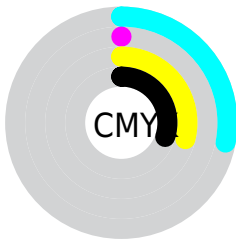
Blue (50%)



Red (50%)

Yellow (70%)

Blue (69%)

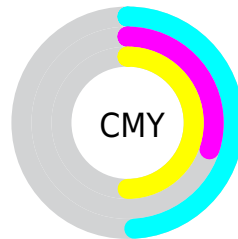


Cyan (28%)

Magenta (0%)

Yellow (29%)

Black (30%)



Cyan (49%)

Magenta (30%)


Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 81B27F changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 81B27F by changing the saturation by 10% instead.



 81B27F

FFFFFF

 B7EAB4

 D3FFD0

 F0FFEC

 81B27F

 679766

 4E7D4D


 356436

 1D4C20


 02340A

 002000

 000000

 81B27F

 70B26D

 81B27F

 92B291

 5FB25B

 A3B2A3

 4EB24A

 B4B2B4

 3DB238

 C5B2C6

 2BB226

 D7B2D8

 1AB214

 E8B2EA

 09B202

 F9B2FC

 07B200

 FFB2FF

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



A4AB6C



81B27F



5CB69C

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81B27F



6EABE2



E29091

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



81B27F



B07FB2

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



DC8FB0



81B27F



9DA1DE

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81B27F



41B3D5



C496CC



D89777

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81B27F



44B6B1



C496CC



E28F9B



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



81B27F



D4E8D3



B2AF7F



697568



F5F5F5



757575



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81B27F



9CE899



7FB296



515950



069900



011A00



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



B07FB2



E599E8



B27F9B



595059



930099



19001A



# Previews

## White Background



This preview shows how the Hex color 81B27F looks on a white background.

## Color Contrast Check

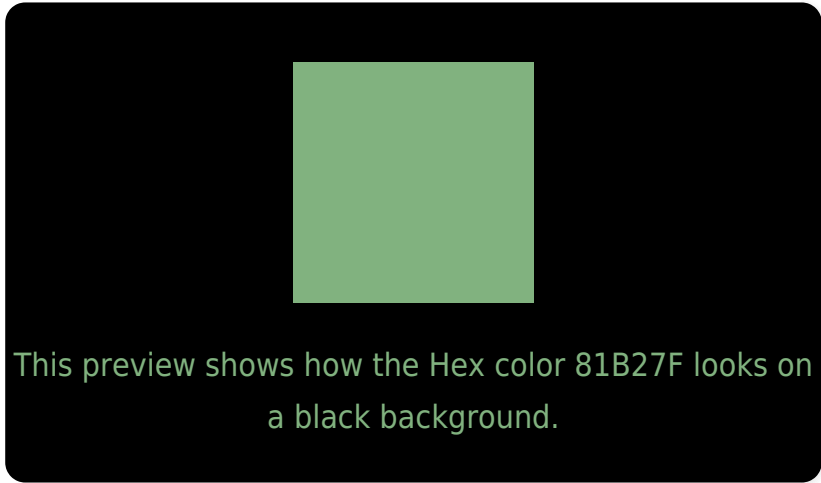
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

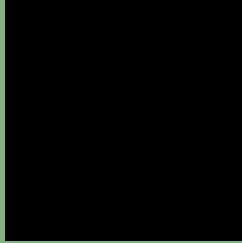
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 81B27F Background



This preview shows how black text looks on a background with the Hex color 81B27F.

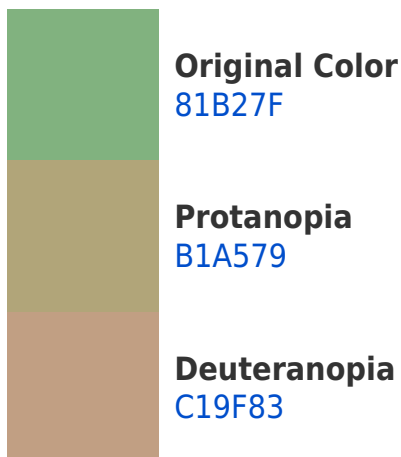


This preview shows how white text looks on a background with the Hex color 81B27F.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

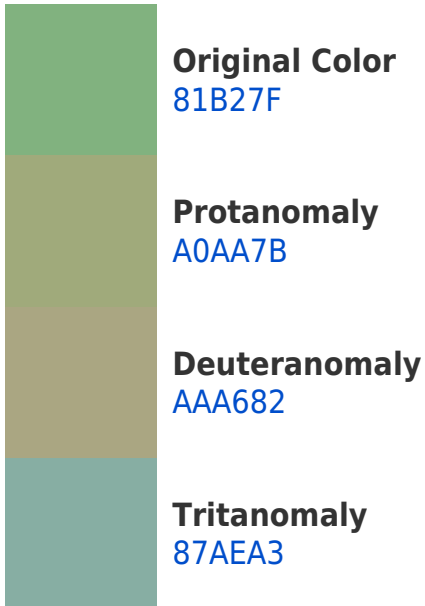
## Dichromacy



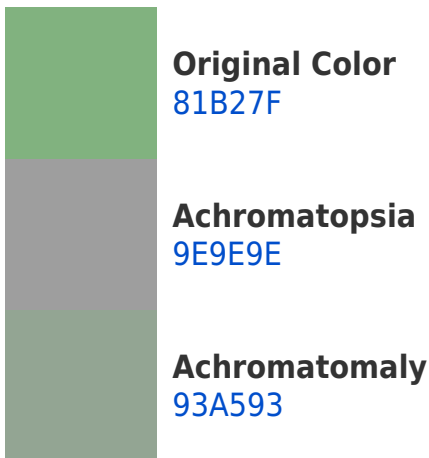


**Tritanopia**  
8BABB8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81B27F is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #81B27F looks like.

```
.text, #text, p{  
    color:#81B27F  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #81B27F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81B27F
}
```

## Border

The CSS property to change the border of an element to Hex 81B27F is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#81B27F }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#81B27F }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #81B27F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81B27F; -webkit-box-shadow:4px 4px  
4px 4px #81B27F; box-shadow:4px 4px 4px  
4px #81B27F }
```

# Background

The CSS property to change the background color of an element to Hex 81B27F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81B27F }
```

If only the background color should be changed can be used:

```
.background{ background-color:#81B27F }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor