

# Converting Colors

Hex(827BB5)

Have a look what the booklet for  
Hex(827BB5) contains.

<b>Hex(827BB5)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(827BB5)**

# Conversions

## Conversions Part 1

Format	Color
Hex	827BB5
RGB	130, 123, 181
RGB Percent	51%, 48%, 71%
CMY	0.4902, 0.5176, 0.2902
CMYK	0.28, 0.32, 0.00, 0.29
HSL	247°, 28%, 60%
HSV	247°, 32%, 71%
XYZ	24.6294, 22.2479, 46.7122
YIQ	131.7050, -14.4460, 19.5220

# Conversions

## Conversions Part 2

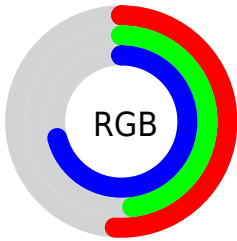
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	130, 123, 181
Decimal	8551349
CIE <sub>Lab</sub>	54.29, 15.80, -29.65
CIE <sub>LCh</sub>	54, 33.599, 298.047
Yxy	22.2479, 0.2632, 0.2377
Android (android.graphics.Color)	4286741429 (0xFF827BB5)
YUV	131.7050, 24.3024, -1.4953
Hunter-Lab	47.1677, 10.6631, -25.7000

# Details

The Hex color **827BB5** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **AEB57B**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **B8AFED**, and **4F4A80** is the 20% darker color. If you saturate the color by 10%, you get **7269B5**, and if you desaturate by 10%, it is **928DB5**.

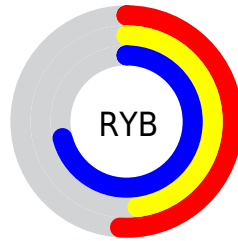
# Distribution



Red (51%)

Green (48%)

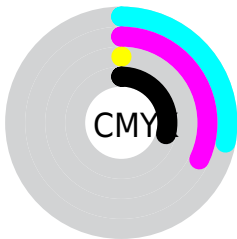
Blue (71%)



Red (51%)

Yellow (48%)

Blue (71%)

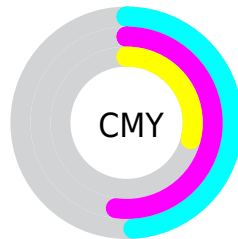


Cyan (28%)

Magenta (32%)

Yellow (0%)

Black (29%)



Cyan (49%)

Magenta (52%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 827BB5 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 827BB5 by changing the saturation by 10% instead.



■ 827BB5

■ 827BB5

FFFFFF

■ 68629A

■ B8AFED

■ 4F4A80

■ D4CBFF

■ 363467

■ F1E7FF

■ 1E1F4E

■ 050837

■ 000221

■ 000006

■ 000000

■ 827BB5

■ 827BB5

7269B5

928DB5

6257B5

A29FB5

5245B5

B2B1B5

4233B5

C2C3B5

3221B5

D2D6B5

230EB5

E1E8B5

1600B5

F1FAB5

FFFFB5

# Harmonies

## Analogous

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



5285BB



827BB5



A471A1

# Triad

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



827BB5



AD7551



29917F

# Complementary

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



827BB5



AEB57B

# 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.



568E62



827BB5



967F47

# Square

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



827BB5



B96D68



79884D



00919C

# Rectangle

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



827BB5



B36C8F



79884D



3A9075



# Sweetspot

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



827BB5



D6D3EB



7BAEB5



696775



F5F5F5



757575



# Same Dimension

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



827BB5



9C91EB



9F7BB5



515059



120099



03001A



# Inverse Universe

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



B57BAE



EB91E0



91B57B



595058



990087



1A0016



# Previews

## White Background



This preview shows how the Hex color 827BB5 looks on a white background.

## Color Contrast Check

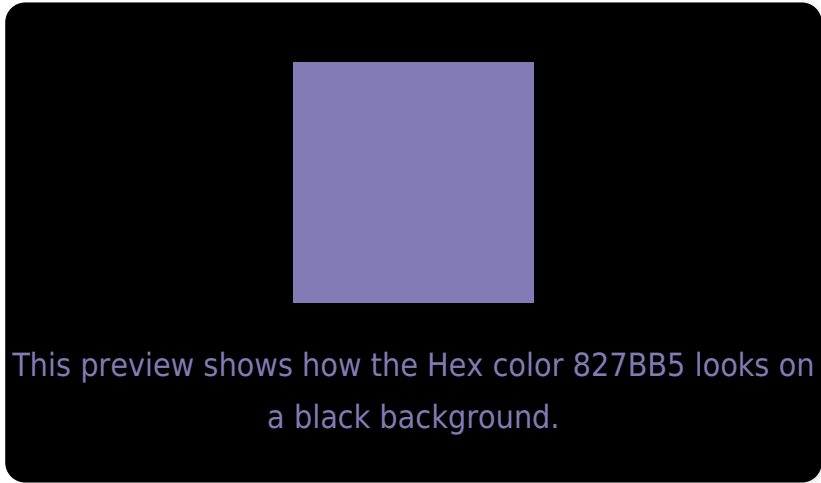
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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



## Hex 827BB5 Background



This preview shows how black text looks on a background with the Hex color 827BB5.

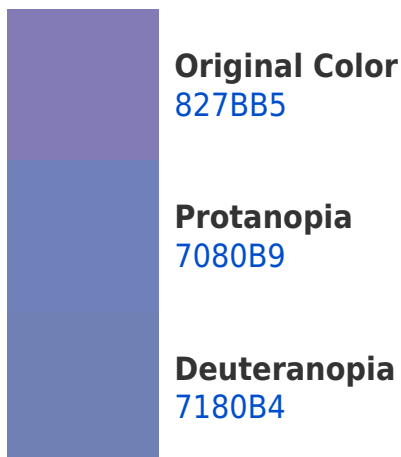


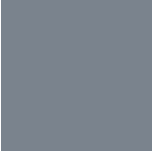
This preview shows how white text looks on a background with the Hex color 827BB5.

# 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](#).

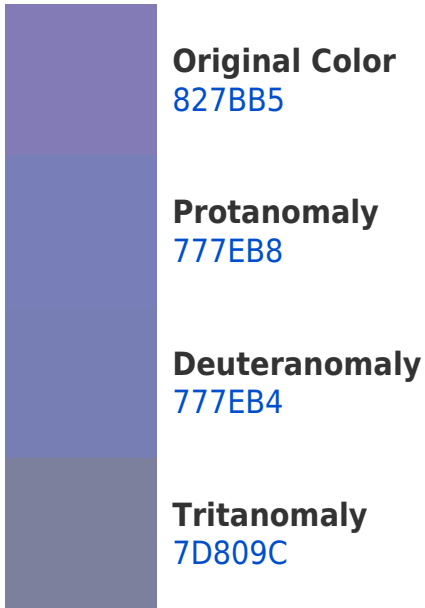
## Dichromacy



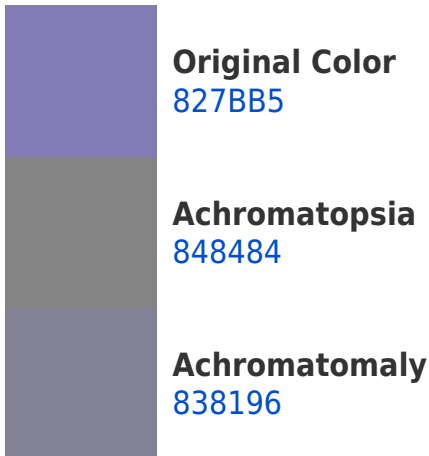


**Tritanopia**  
7A838D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 827BB5 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 #827BB5 looks like.

```
.text, #text, p{  
    color:#827BB5  
}
```

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 #827BB5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #827BB5
}
```

## Border

The CSS property to change the border of an element to Hex 827BB5 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
#827BB5 }
```

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

```
.border{ border-color:#827BB5 }
```

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

Here you see how a box with a 4 pixel #827BB5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #827BB5; -webkit-box-shadow:4px 4px  
4px 4px #827BB5; box-shadow:4px 4px 4px  
4px #827BB5 }
```

# Background

The CSS property to change the background color of an element to Hex 827BB5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#827BB5 }
```

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

```
.background{ background-color:#827BB5 }
```

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