

# Converting Colors

Hex(817CD8)

Have a look what the booklet for  
Hex(817CD8) contains.

<b>Hex(817CD8)</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(817CD8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	817CD8
RGB	129, 124, 216
RGB Percent	51%, 49%, 85%
CMY	0.4941, 0.5137, 0.1529
CMYK	0.40, 0.43, 0.00, 0.15
HSL	243°, 54%, 67%
HSV	243°, 43%, 85%
XYZ	28.6556, 24.0403, 68.0957
YIQ	135.9830, -26.5520, 29.6720

# Conversions

## Conversions Part 2

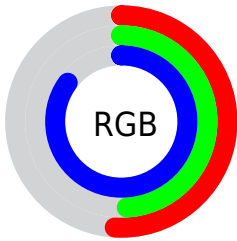
Format	Color
R <sub>Y</sub> B	129, 124, 216
Decimal	8486104
CIE Lab	56.13, 24.37, -46.68
CIE LCh	56, 52.655, 297.572
Yxy	24.0403, 0.2372, 0.1990
Android (android.graphics.Color)	4286676184 (0xFF817CD8)
YUV	135.9830, 39.4484, -6.1241
Hunter-Lab	49.0309, 18.5183, -48.0222

# Details

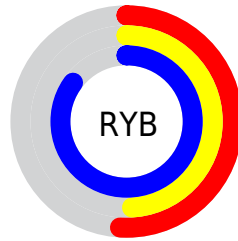
The Hex color **817CD8** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **D3D87C**, and the grayscale version is **888888**.

A 20% lighter version of the original color is **B9B1FF**, and **4A4BA1** is the 20% darker color. If you saturate the color by 10%, you get **6D66D8**, and if you desaturate by 10%, it is **9592D8**.

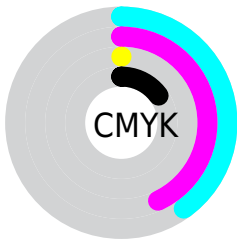
# Distribution



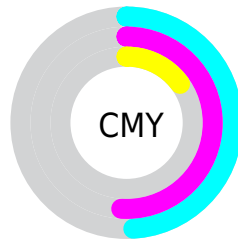
- Red (51%)
- Green (49%)
- Blue (85%)



- Red (51%)
- Yellow (49%)
- Blue (85%)



- Cyan (40%)
- Magenta (43%)
- Yellow (0%)
- Black (15%)



- Cyan (49%)
- Magenta (51%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 817CD8 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 817CD8 by changing the saturation by 10% instead.



817CD8

817CD8

FFFFFF

6663BC

B9B1FF

4A4BA1

D6CCFF

2D3586

F3E8FF

051F6C

000C53

00003C

000225

00010D

000000

817CD8

817CD8

6D66D8

9592D8

5851D8

AAA7D8

443BD8

BEBDD8

2F26D8

D3D2D8

1B10D8

E7E8D8

0C00D8

FCFED8

FFFFD8

# Harmonies

## Analogous

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



008DE2



817CD8



BB69B8

# Triad

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



817CD8



C57139



009C81

# Complementary

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



817CD8



D3D87C

# 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.



369953



817CD8



A28323

# Square

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



817CD8



D8615F



75902F



009CB0

# Rectangle

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



817CD8



D05F9C



75902F



009C71



# Sweetspot

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



817CD8



E0DEFF



7CD3D8



6C6B80



000000



808080



# Same Dimension

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



817CD8



847DFF



AF7CD8



61606B



0900AB



02002B



# Inverse Universe

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



D87CD3



FF7DF8



A5D87C



6B606B



AB00A2

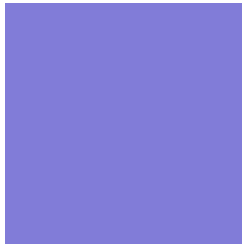


2B0029



# Previews

## White Background



This preview shows how the Hex color 817CD8 looks on a white background.

## Color Contrast Check

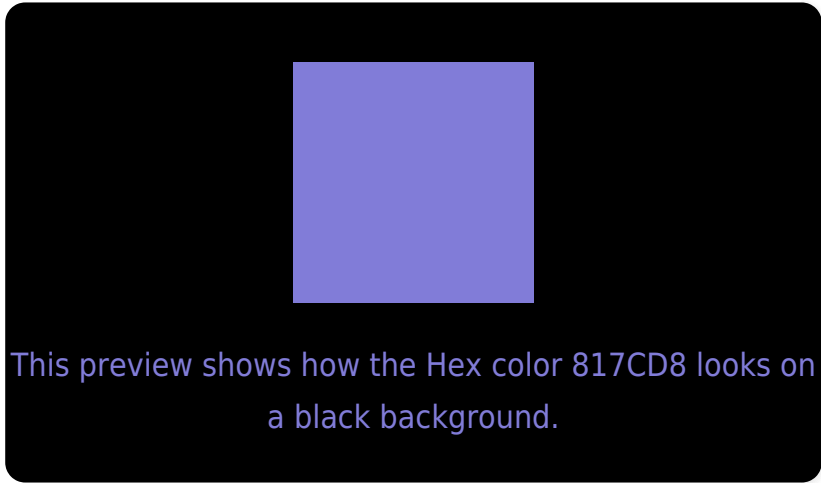
Large Text (above 18pt) WCAG AA ✓ Pass

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

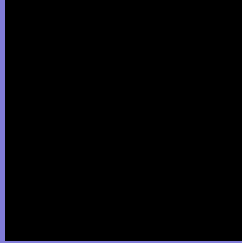
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 817CD8 Background



This preview shows how black text looks on a background with the Hex color 817CD8.

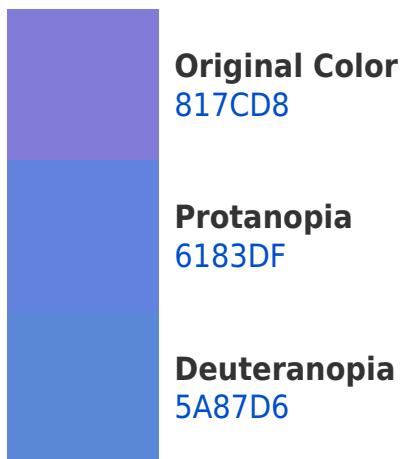


This preview shows how white text looks on a background with the Hex color 817CD8.

# 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](#).

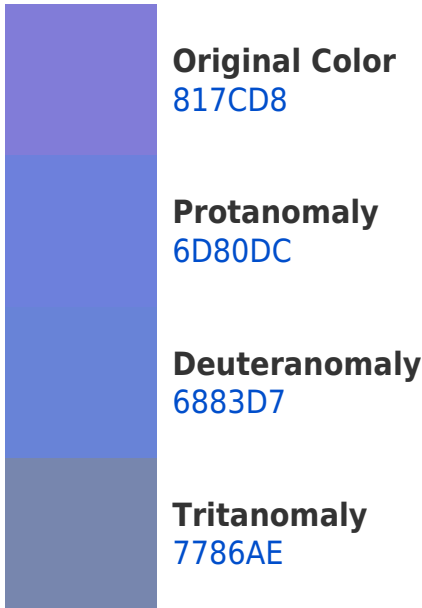
## Dichromacy



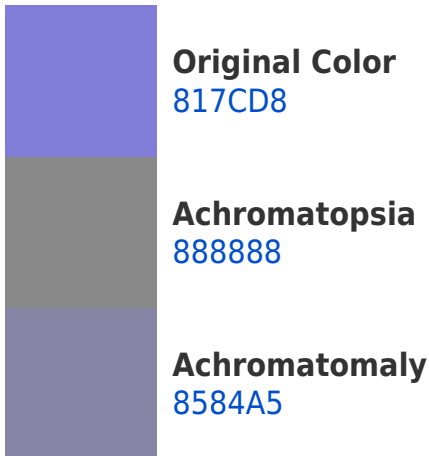


**Tritanopia**  
718B96

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 817CD8 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 #817CD8 looks like.

```
.text, #text, p{  
    color:#817CD8  
}
```

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 #817CD8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #817CD8
}
```

## Border

The CSS property to change the border of an element to Hex 817CD8 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
#817CD8 }
```

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

```
.border{ border-color:#817CD8 }
```

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

Here you see how a box with a 4 pixel #817CD8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #817CD8; -webkit-box-shadow:4px 4px  
4px 4px #817CD8; box-shadow:4px 4px 4px  
4px #817CD8 }
```

# Background

The CSS property to change the background color of an element to Hex 817CD8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#817CD8 }
```

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

```
.background{ background-color:#817CD8 }
```

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