

# Converting Colors

Hex(787EE7)

Have a look what the booklet for  
Hex(787EE7) contains.

<b>Hex(787EE7)</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(787EE7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	787EE7
RGB	120, 126, 231
RGB Percent	47%, 49%, 91%
CMY	0.5294, 0.5059, 0.0941
CMYK	0.48, 0.45, 0.00, 0.09
HSL	237°, 70%, 69%
HSV	237°, 48%, 91%
XYZ	29.6304, 24.6843, 78.8042
YIQ	136.1760, -37.2810, 31.3830

# Conversions

## Conversions Part 2

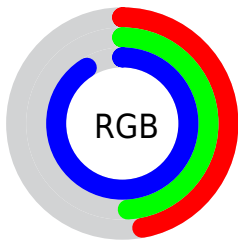
Format	Color
R <sub>Y</sub> B	120, 126, 231
Decimal	7896807
CIE Lab	56.77, 25.38, -54.11
CIE LCh	57, 59.764, 295.130
Yxy	24.6843, 0.2226, 0.1854
Android (android.graphics.Color)	4286086887 (0xFF787EE7)
YUV	136.1760, 46.7482, -14.1864
Hunter-Lab	49.6833, 19.5090, -59.2633

# Details

The Hex color **787EE7** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **E7E178**, and the grayscale version is **888888**.

A 20% lighter version of the original color is **B2B3FF**, and **3D4DAF** is the 20% darker color. If you saturate the color by 10%, you get **6168E7**, and if you desaturate by 10%, it is **8F94E7**.

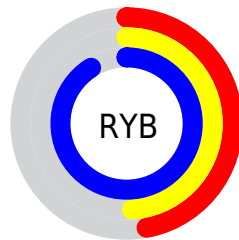
# Distribution



Red (47%)

Green (49%)

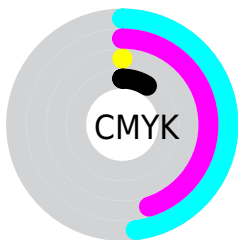
Blue (91%)



Red (47%)

Yellow (49%)

Blue (91%)

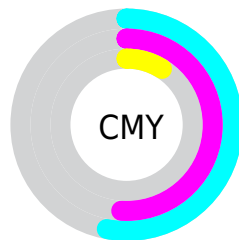


Cyan (48%)

Magenta (45%)

Yellow (0%)

Black (9%)



Cyan (53%)

Magenta (51%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 787EE7 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 787EE7 by changing the saturation by 10% instead.



 787EE7

 787EE7

FFFFFF

 5B65CB

 B2B3FF

 3D4DAF

 CFCEFF

 173794

 ECEAFF

 002279

 000F60

 000047


 000430

 00011A

 000000

 787EE7

 787EE7

 6168E7

 8F94E7

 4A52E7


 A6AAE7

 333CE7

 BDC0E7

 1C27E7

 D4D5E7

 0511E7

 EBEBE7

 000CE7

 FFFFE7

# Harmonies

## Analogous

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



0091F0



787EE7



BF67C4

# Triad

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



787EE7



CF6E32



00A07E

# Complementary

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



787EE7



E7E178

# 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.



2C9C49



787EE7



A9830E

# Square

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



787EE7



E45A5F



78921D



00A0B3

# Rectangle

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



787EE7



D95AA4



78921D



009F6C



# Sweetspot

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



787EE7



DBDDFF



78E7E0



6A6B80



000000



808080



# Same Dimension

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



787EE7



6B73FF



A878E7



676873



000AB3



000333



# Inverse Universe

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



E7787E



FF6B73



B7E778



736768



B3000A

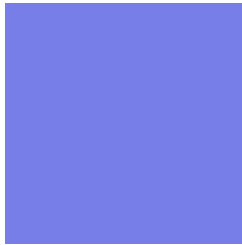


330003



# Previews

## White Background



This preview shows how the Hex color 787EE7 looks on a white background.

## Color Contrast Check

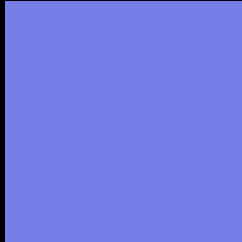
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 787EE7 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

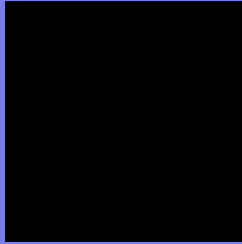
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 787EE7 Background



This preview shows how black text looks on a background with the Hex color 787EE7.

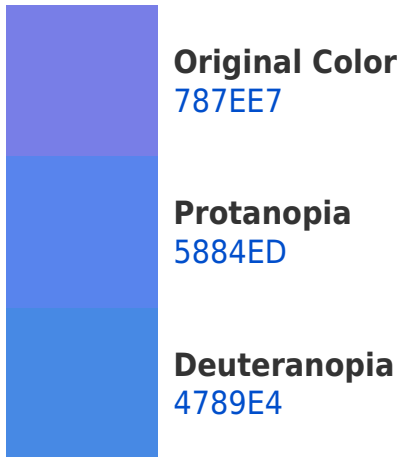


This preview shows how white text looks on a background with the Hex color 787EE7.

# 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](#).

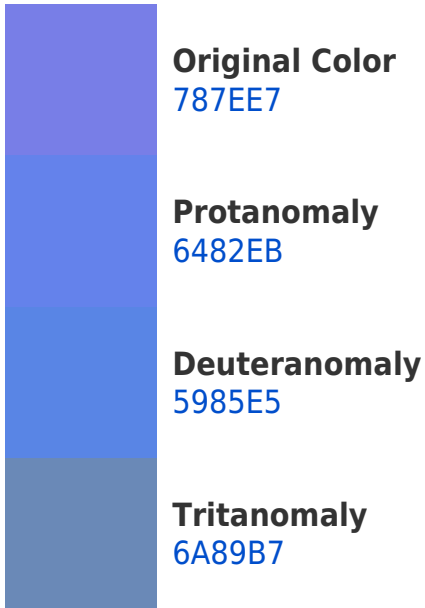
## Dichromacy





**Tritanopia**  
628F9B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 787EE7 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 #787EE7 looks like.

```
.text, #text, p{  
    color:#787EE7  
}
```

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 #787EE7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #787EE7
}
```

## Border

The CSS property to change the border of an element to Hex 787EE7 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
#787EE7 }
```

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

```
.border{ border-color:#787EE7 }
```

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

Here you see how a box with a 4 pixel #787EE7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #787EE7; -webkit-box-shadow:4px 4px  
4px 4px #787EE7; box-shadow:4px 4px 4px  
4px #787EE7 }
```

# Background

The CSS property to change the background color of an element to Hex 787EE7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#787EE7 }
```

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

```
.background{ background-color:#787EE7 }
```

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](#).



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