

# Converting Colors

Hex(785BE7)

Have a look what the booklet for  
Hex(785BE7) contains.

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# Color

**Hex(785BE7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	785BE7
RGB	120, 91, 231
RGB Percent	47%, 36%, 91%
CMY	0.5294, 0.6431, 0.0941
CMYK	0.48, 0.61, 0.00, 0.09
HSL	252°, 74%, 63%
HSV	252°, 61%, 91%
XYZ	25.9106, 17.2448, 77.5642
YIQ	115.6310, -27.6560, 49.6880

# Conversions

## Conversions Part 2

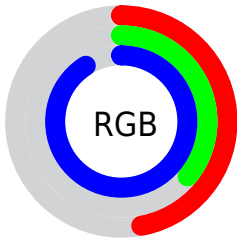
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 91, 231
Decimal	7887847
CIE <sub>Lab</sub>	48.57, 45.90, -67.30
CIE <sub>LCh</sub>	49, 81.459, 304.294
Yxy	17.2448, 0.2146, 0.1428
Android (android.graphics.Color)	4286077927 (0xFF785BE7)
YUV	115.6310, 56.8769, 3.8316
Hunter-Lab	41.5268, 38.7030, -81.6737

# Details

The Hex color **785BE7** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **CAE75B**, and the grayscale version is **737373**.

A 20% lighter version of the original color is **B38EFF**, and **3A2BAE** is the 20% darker color. If you saturate the color by 10%, you get **6644E7**, and if you desaturate by 10%, it is **8A72E7**.

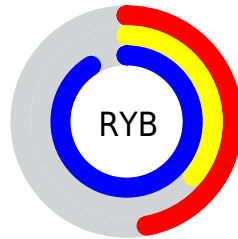
# Distribution



Red (47%)

Green (36%)

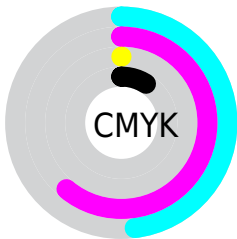
Blue (91%)



Red (47%)

Yellow (36%)

Blue (91%)

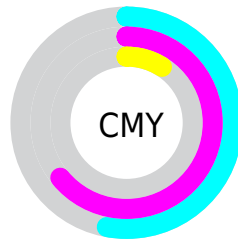


Cyan (48%)

Magenta (61%)

Yellow (0%)

Black (9%)



Cyan (53%)

Magenta (64%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 785BE7 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 785BE7 by changing the saturation by 10% instead.



 785BE7

 785BE7

FFFFFF

 5A43CA


 B38EFF

 3A2BAE

 D1A9FF

 0A1393

 EFC5FF

 000078


 FFE1FF

 00005F

FFFEFF

 000846

 00042F

 000119

 000000

 785BE7

 785BE7

 6644E7

 8A72E7

 532DE7

 9D89E7

 4116E7

 AFA0E7

 3000E7

 C1B7E7

 D4CFE7

 E6E6E7

 F8FDE7

 FFFFE7

# Harmonies

## Analogous

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



007AFF



785BE7



CA28B1

# Triad

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



785BE7



BA5800



008F7C

# Complementary

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



785BE7



CAE75B

# 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.



008C32



785BE7



847400

# Square

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



785BE7



DE2829



378400



008FC0

# Rectangle

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



785BE7



E20084



378400



008F64



# Sweetspot

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



785BE7



DBD1FF



5BCBE7



696380



000000



808080



# Same Dimension

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



785BE7



6B45FF



BD5BE7



6A6773



2500B3



0B0033



# Inverse Universe

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



E75BCA



FF45D8



85E75B



736770



B3008E

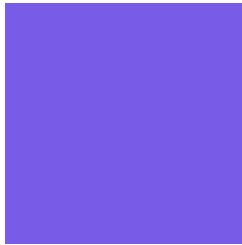


330028



# Previews

## White Background



This preview shows how the Hex color 785BE7 looks on a white 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

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

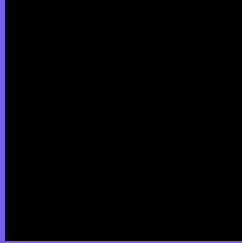
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 785BE7 Background



This preview shows how black text looks on a background with the Hex color 785BE7.



This preview shows how white text looks on a background with the Hex color 785BE7.

# 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**  
5B7881

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 785BE7 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 #785BE7 looks like.

```
.text, #text, p{  
    color:#785BE7  
}
```

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 #785BE7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #785BE7
}
```

## Border

The CSS property to change the border of an element to Hex 785BE7 is called "border". The border property can be set on classes, ids or directly on the HTML element.

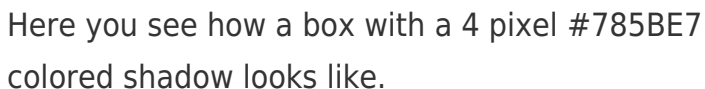
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#785BE7 }
```

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

```
.border{ border-color:#785BE7 }
```

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



Here you see how a box with a 4 pixel #785BE7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #785BE7; -webkit-box-shadow:4px 4px  
4px 4px #785BE7; box-shadow:4px 4px 4px  
4px #785BE7 }
```

# Background

The CSS property to change the background color of an element to Hex 785BE7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#785BE7 }
```

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

```
.background{ background-color:#785BE7 }
```

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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