

# Converting Colors

Hex(783EC1)

Have a look what the booklet for  
Hex(783EC1) contains.

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# Color

**Hex(783EC1)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	783EC1
RGB	120, 62, 193
RGB Percent	47%, 24%, 76%
CMY	0.5294, 0.7569, 0.2431
CMYK	0.38, 0.68, 0.00, 0.24
HSL	267°, 51%, 50%
HSV	267°, 68%, 76%
XYZ	19.0940, 11.2886, 51.6246
YIQ	94.2760, -7.4830, 53.0370

# Conversions

## Conversions Part 2

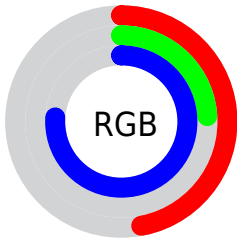
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 62, 193
Decimal	7880385
CIE <sub>Lab</sub>	40.06, 51.19, -59.29
CIE <sub>LCh</sub>	40, 78.332, 310.803
Yxy	11.2886, 0.2328, 0.1377
Android (android.graphics.Color)	4286070465 (0xFF783EC1)
YUV	94.2760, 48.6709, 22.5599
Hunter-Lab	33.5985, 42.6441, -67.5812

# Details

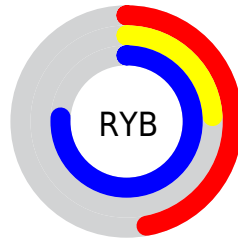
The Hex color **783EC1** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **87C13E**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **B171FA**, and **3F058A** is the 20% darker color. If you saturate the color by 10%, you get **6D2BC1**, and if you desaturate by 10%, it is **8351C1**.

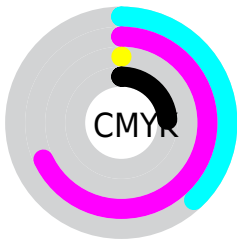
# Distribution



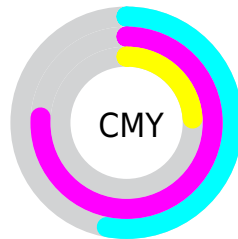
- Red (47%)
- Green (24%)
- Blue (76%)



- Red (47%)
- Yellow (24%)
- Blue (76%)



- Cyan (38%)
- Magenta (68%)
- Yellow (0%)
- Black (24%)



- Cyan (53%)
- Magenta (76%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 783EC1 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 783EC1 by changing the saturation by 10% instead.



783EC1

783EC1

FFFFFF

5C24A5

B171FA

3F058A

CE8CFF

1F0070

ECA7FF

000057

FFC3FF

00003E

FFE0FF

000328

FFFDFF

000111

000000

783EC1

783EC1

■ 6D2BC1

■ 8351C1

■ 6217C1

■ 8E65C1

■ 5804C1

■ 9878C1

■ 5500C1

■ A38BC1

■ AE9FC1

■ B9B2C1

■ C3C5C1

■ CED8C1

■ D9ECC1

# Harmonies

## Analogous

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



0060DF



783EC1



B8008A

# Triad

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



783EC1



944B00



007875

# Complementary

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



783EC1



87C13E

# 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.



007531



783EC1



5F6300

# Square

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



783EC1



BA1C07



007000



0077B2

# Rectangle

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



783EC1



C80060



007000



00775F



# Sweetspot

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



783EC1



DEC8FA



3E88C1



6C5F7D



FCFCFC



7D7D7D



# Same Dimension

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



783EC1



892FFA



B83EC1



5C5761



4700A1



0F0021



# Inverse Universe

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



C13E87



FA2FA0



47C13E



61575D



A1005A

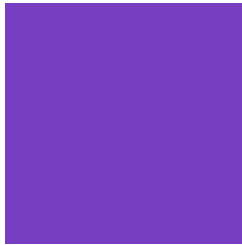


210012



# Previews

## White Background



This preview shows how the Hex color 783EC1 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

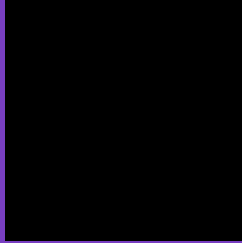
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 783EC1 Background



This preview shows how black text looks on a background with the Hex color 783EC1.

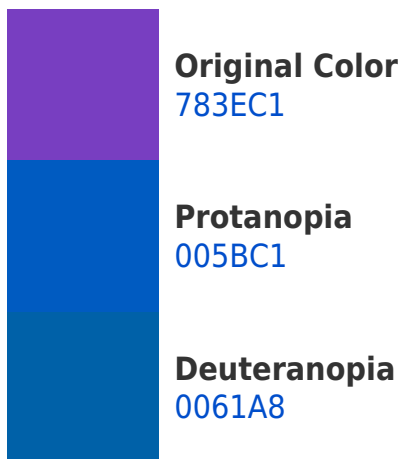


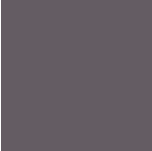
This preview shows how white text looks on a background with the Hex color 783EC1.

# 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**  
645C63

# Trichromacy



**Original Color**  
783EC1

**Protanomaly**  
2C50C1

**Deuteranomaly**  
2C54B1

**Tritanomaly**  
6B5185

# Monochromacy



**Original Color**  
783EC1

**Achromatopsia**  
5E5E5E

**Achromatomaly**  
675282

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 783EC1 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 #783EC1 looks like.

```
.text, #text, p{  
    color:#783EC1  
}
```

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 #783EC1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #783EC1
}
```

## Border

The CSS property to change the border of an element to Hex 783EC1 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
#783EC1 }
```

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

```
.border{ border-color:#783EC1 }
```

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

Here you see how a box with a 4 pixel #783EC1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #783EC1; -webkit-box-shadow:4px 4px  
4px 4px #783EC1; box-shadow:4px 4px 4px  
4px #783EC1 }
```

# Background

The CSS property to change the background color of an element to Hex 783EC1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#783EC1 }
```

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

```
.background{ background-color:#783EC1 }
```

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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