

# Converting Colors

Hex(7B5ECB)

Have a look what the booklet for  
Hex(7B5ECB) contains.

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# Color

Hex(7B5ECB)

# Conversions

## Conversions Part 1

Format	Color
Hex	7B5ECB
RGB	123, 94, 203
RGB Percent	48%, 37%, 80%
CMY	0.5176, 0.6314, 0.2039
CMYK	0.39, 0.54, 0.00, 0.20
HSL	256°, 51%, 58%
HSV	256°, 54%, 80%
XYZ	22.9506, 16.5282, 58.4805
YIQ	115.0970, -17.7050, 40.0470

# Conversions

## Conversions Part 2

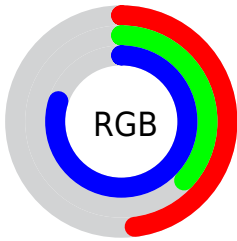
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 94, 203
Decimal	8085195
CIE <sub>Lab</sub>	47.66, 36.96, -52.81
CIE <sub>LCh</sub>	48, 64.461, 304.984
Yxy	16.5282, 0.2343, 0.1687
Android (android.graphics.Color)	4286275275 (0xFF7B5ECB)
YUV	115.0970, 43.3362, 6.9309
Hunter-Lab	40.6548, 29.6213, -56.8282

# Details

The Hex color **7B5ECB** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted purple. A complement of this color would be **AECB5E**, and the grayscale version is **737373**.

A 20% lighter version of the original color is **B391FF**, and **432E94** is the 20% darker color. If you saturate the color by 10%, you get **6C4ACB**, and if you desaturate by 10%, it is **8A72CB**.

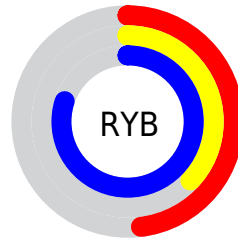
# Distribution



Red (48%)

Green (37%)

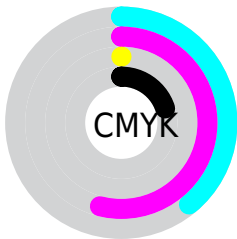
Blue (80%)



Red (48%)

Yellow (37%)

Blue (80%)

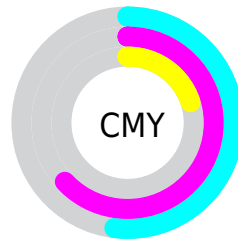


Cyan (39%)

Magenta (54%)

Yellow (0%)

Black (20%)



Cyan (52%)

Magenta (63%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B5ECB 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 7B5ECB by changing the saturation by 10% instead.



■ 7B5ECB

■ 7B5ECB

FFFFFF

■ 5F46AF

■ B391FF

■ 432E94

■ D0ACFF

■ 25187A

■ EDC8FF

■ 000360

■ FFE4FF

■ 000048

■ 000430

■ 00011A

■ 000000

■ 7B5ECB

■ 7B5ECB

6C4ACB

8A72CB

5D35CB

9987CB

4E21CB

A89BCB

3F0DCB

B7AFCB

3600CB

C5C4CB

D4D8CB

E3ECCB

F2FFCB

FFFFCB

# Harmonies

## Analogous

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



0075DE



7B5ECB



B841A0

# Triad

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



7B5ECB



AC5D00



008979

# Complementary

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



7B5ECB



AECB5E

# 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.



008640



7B5ECB



817200

# Square

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



7B5ECB



C94236



477F00



0088AE

# Rectangle

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



7B5ECB



CB337D



477F00



008866



# Sweetspot

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



7B5ECB



E1D6FF



5EB0CB



6E6780



000000



808080



# Same Dimension

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



7B5ECB



875CFF



B05ECB



5F5C66



2C00A6



0A0026



# Inverse Universe

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



CB5EAE



FF5CD4



79CB5E



665C63



A6007A

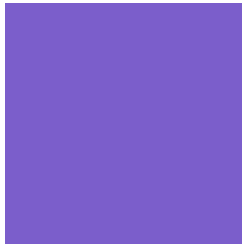


26001C



# Previews

## White Background



This preview shows how the Hex color 7B5ECB 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

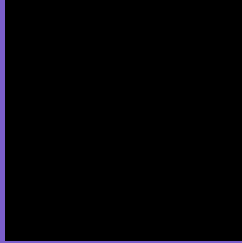
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7B5ECB Background



This preview shows how black text looks on a background with the Hex color 7B5ECB.

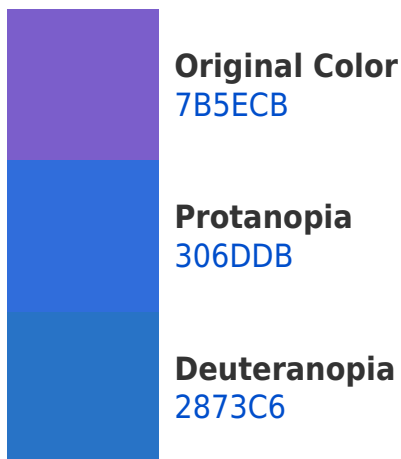


This preview shows how white text looks on a background with the Hex color 7B5ECB.

# 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**  
69727B

# Trichromacy



**Original Color**  
7B5ECB

**Protanomaly**  
4B68D5

**Deuteranomaly**  
466BC8

**Tritanomaly**  
706B98

# Monochromacy



**Original Color**  
7B5ECB

**Achromatopsia**  
737373

**Achromatomaly**  
766B93

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B5ECB 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 #7B5ECB looks like.

```
.text, #text, p{  
    color:#7B5ECB  
}
```

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 #7B5ECB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B5ECB
}
```

## Border

The CSS property to change the border of an element to Hex 7B5ECB 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
#7B5ECB }
```

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

```
.border{ border-color:#7B5ECB }
```

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

Here you see how a box with a 4 pixel #7B5ECB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B5ECB; -webkit-box-shadow:4px 4px  
4px 4px #7B5ECB; box-shadow:4px 4px 4px  
4px #7B5ECB }
```

# Background

The CSS property to change the background color of an element to Hex 7B5ECB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B5ECB }
```

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

```
.background{ background-color:#7B5ECB }
```

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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