

# Converting Colors

Hex(7B8CE2)

Have a look what the booklet for  
Hex(7B8CE2) contains.

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# Color

Hex(7B8CE2)

# Conversions

## Conversions Part 1

Format	Color
Hex	7B8CE2
RGB	123, 140, 226
RGB Percent	48%, 55%, 89%
CMY	0.5176, 0.4510, 0.1137
CMYK	0.46, 0.38, 0.00, 0.11
HSL	230°, 64%, 68%
HSV	230°, 46%, 89%
XYZ	31.2739, 28.4581, 75.7962
YIQ	144.7210, -37.7380, 23.1420

# Conversions

## Conversions Part 2

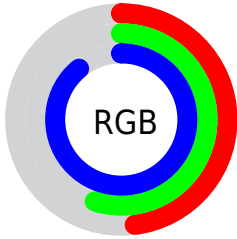
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">123, 138, 226</a>
Decimal	<a href="#">8096994</a>
CIELab	<a href="#">60.30, 16.30, -45.70</a>
CIElCh	<a href="#">60, 48.521, 289.634</a>
Yxy	<a href="#">28.4581, 0.2308, 0.2100</a>
Android (android.graphics.Color)	<a href="#">4286287074 (0xFF7B8CE2)</a>
YUV	<a href="#">144.7210, 40.0705, -19.0493</a>
Hunter-Lab	<a href="#">53.3461, 11.2891, -46.8991</a>

# Details

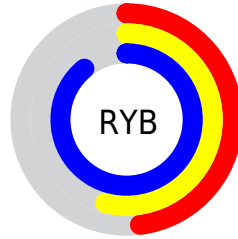
The Hex color **7B8CE2** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **E2D17B**, and the grayscale version is **909090**.

A 20% lighter version of the original color is **B4C1FF**, and **425AAA** is the 20% darker color. If you saturate the color by 10%, you get **6479E2**, and if you desaturate by 10%, it is **929FE2**.

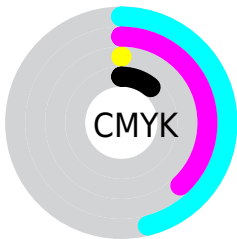
# Distribution



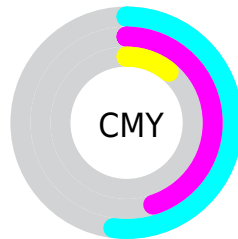
- Red (48%)
- Green (55%)
- Blue (89%)



- Red (48%)
- Yellow (54%)
- Blue (89%)



- Cyan (46%)
- Magenta (38%)
- Yellow (0%)
- Black (11%)



- Cyan (52%)
- Magenta (45%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B8CE2 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 7B8CE2 by changing the saturation by 10% instead.



7B8CE2

7B8CE2

FFFFFF

5F73C6

B4C1FF

425AAA

D1DDFF

22438F

EEFAFF

002D75

001A5C

000044

00032D

000117

000000

■ 7B8CE2

■ 7B8CE2

■ 6479E2

■ 929FE2

■ 4E66E2

■ A8B2E2

■ 3753E2

■ BFC5E2

■ 2141E2

■ D5D7E2

■ 0A2EE2

■ ECEAE2

■ 0025E2

■ FFFDE2

■ FFFFE2

# Harmonies

## Analogous

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



009AE5



7B8CE2



B77BC9

# Triad

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



7B8CE2



D47A52



00A681

# Complementary

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



7B8CE2



E2D17B

# 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.



5CA158



7B8CE2



B78A3A

# Square

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



7B8CE2



E16E77



8E983C



00A7AD

# Rectangle

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



7B8CE2



D071B0



8E983C



28A572



# Sweetspot

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



7B8CE2



DBE1FF



7BE2D1



6A6D80



000000



808080



# Same Dimension

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



7B8CE2



738AFF



9D7BE2



656770



001DB0



000830



# Inverse Universe

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



E27B8C



FF738A



C0E27B



706567



B0001D

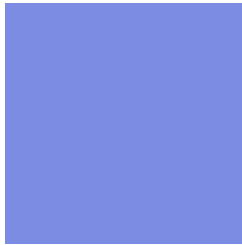


300008



# Previews

## White Background



This preview shows how the Hex color 7B8CE2 looks on a white background.

## Color Contrast Check

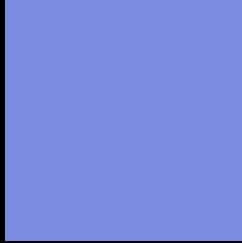
Large Text (above 18pt) WCAG AA ✓ Pass

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 7B8CE2 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

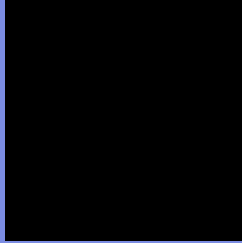
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 7B8CE2 Background



This preview shows how black text looks on a background with the Hex color 7B8CE2.



This preview shows how white text looks on a background with the Hex color 7B8CE2.

# 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



**Original Color**  
7B8CE2

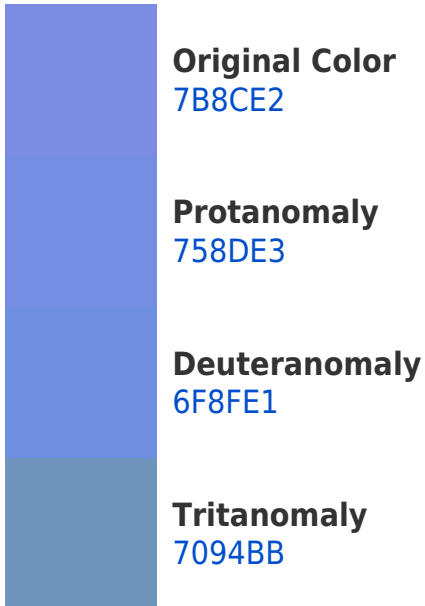
**Protanopia**  
718EE4

**Deuteranopia**  
6891E1

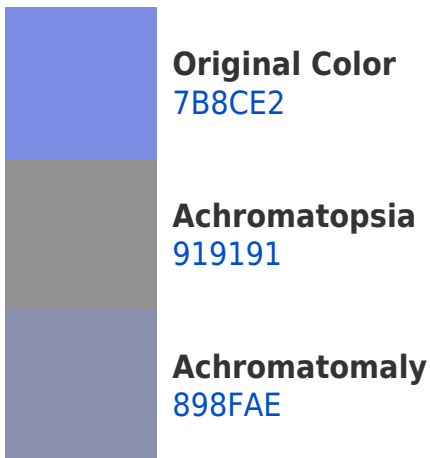


**Tritanopia**  
6A99A5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B8CE2 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 #7B8CE2 looks like.

```
.text, #text, p{  
    color:#7B8CE2  
}
```

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 #7B8CE2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B8CE2
}
```

## Border

The CSS property to change the border of an element to Hex 7B8CE2 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
#7B8CE2 }
```

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

```
.border{ border-color:#7B8CE2 }
```

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

Here you see how a box with a 4 pixel #7B8CE2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B8CE2; -webkit-box-shadow:4px 4px  
4px 4px #7B8CE2; box-shadow:4px 4px 4px  
4px #7B8CE2 }
```

# Background

The CSS property to change the background color of an element to Hex 7B8CE2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B8CE2 }
```

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

```
.background{ background-color:#7B8CE2 }
```

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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