

# Converting Colors

Hex(7B8CB2)

Have a look what the booklet for  
Hex(7B8CB2) contains.

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# Color

Hex(7B8CB2)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7B8CB2
RGB	123, 140, 178
RGB Percent	48%, 55%, 70%
CMY	0.5176, 0.4510, 0.3020
CMYK	0.31, 0.21, 0.00, 0.30
HSL	221°, 26%, 59%
HSV	221°, 31%, 70%
XYZ	25.5823, 26.1815, 45.8247
YIQ	139.2490, -22.3300, 8.2140

# Conversions

## Conversions Part 2

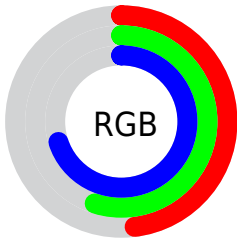
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 136, 178
Decimal	8096946
CIE <sub>Lab</sub>	58.21, 2.96, -21.93
CIE <sub>LCh</sub>	58, 22.132, 277.690
Yxy	26.1815, 0.2621, 0.2683
Android (android.graphics.Color)	4286287026 (0xFF7B8CB2)
YUV	139.2490, 19.1042, -14.2504
Hunter-Lab	51.1678, -0.2992, -17.2812

# Details

The Hex color **7B8CB2** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **B2A17B**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **B1C1EA**, and **485A7D** is the 20% darker color. If you saturate the color by 10%, you get **6980B2**, and if you desaturate by 10%, it is **8D98B2**.

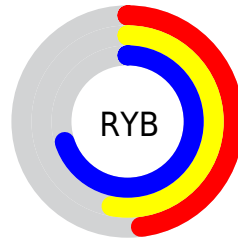
# Distribution



Red (48%)

Green (55%)

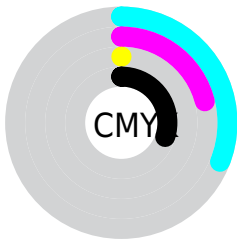
Blue (70%)



Red (48%)

Yellow (53%)

Blue (70%)

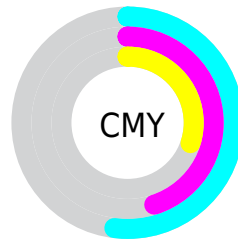


Cyan (31%)

Magenta (21%)

Yellow (0%)

Black (30%)



Cyan (52%)

Magenta (45%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B8CB2 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 7B8CB2 by changing the saturation by 10% instead.





7B8CB2



7B8CB2

FFFFFF



617397



B1C1EA



485A7D



CCDDFF



304364



E9FAFF



172D4C



001835



000220



000004



000000



7B8CB2



7B8CB2

6980B2

8D98B2

5773B2

9FA5B2

4667B2

B0B1B2

345BB2

C2BDB2

224FB2

D4C9B2

1042B2

E6D6B2

0037B2

F8E2B2

FFEEB2

FFFBB2

# Harmonies

## Analogous

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



6192AF



7B8CB2



9585AB

# Triad

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



7B8CB2



B18075



6A967D

# Complementary

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



7B8CB2



B2A17B

# 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.



80926D



7B8CB2



A78669

# Square

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



7B8CB2



B37E88



958C65



589790

# Rectangle

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



7B8CB2



A381A1



958C65



719577



# Sweetspot

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



7B8CB2



D3DAE8



7BB2A1



686C75



F5F5F5



757575



# Same Dimension

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



7B8CB2



92ADE8



857BB2



505359



002F99



00081A



# Inverse Universe

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



B27B8C



E892AD



A8B27B



595053



99002F

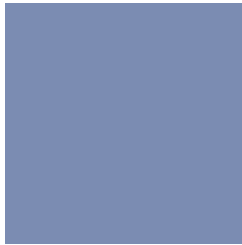


1A0008



# Previews

## White Background



This preview shows how the Hex color 7B8CB2 looks on a white background.

## Color Contrast Check

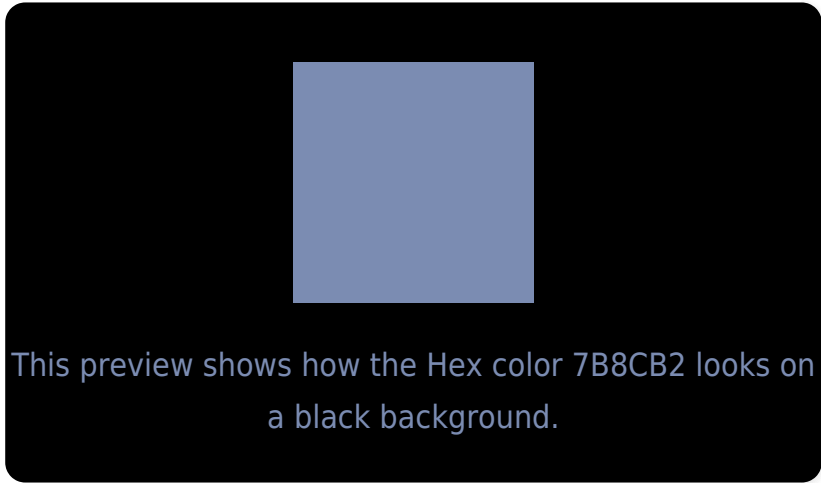
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

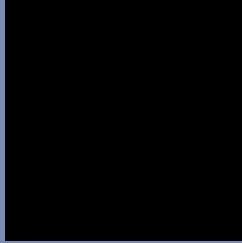
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

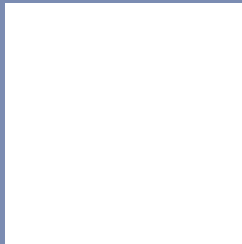
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7B8CB2 Background



This preview shows how black text looks on a background with the Hex color 7B8CB2.



This preview shows how white text looks on a background with the Hex color 7B8CB2.

# 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**  
7B8CB2

**Protanopia**  
828AB1

**Deuteranopia**  
8589B3



**Tritanopia**  
76909C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B8CB2 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 #7B8CB2 looks like.

```
.text, #text, p{  
    color:#7B8CB2  
}
```

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 #7B8CB2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B8CB2
}
```

## Border

The CSS property to change the border of an element to Hex 7B8CB2 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
#7B8CB2 }
```

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

```
.border{ border-color:#7B8CB2 }
```

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

Here you see how a box with a 4 pixel #7B8CB2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B8CB2; -webkit-box-shadow:4px 4px  
4px 4px #7B8CB2; box-shadow:4px 4px 4px  
4px #7B8CB2 }
```

# Background

The CSS property to change the background color of an element to Hex 7B8CB2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B8CB2 }
```

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

```
.background{ background-color:#7B8CB2 }
```

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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