

# Converting Colors

Hex(7B78BC)

Have a look what the booklet for  
Hex(7B78BC) contains.

<b>Hex(7B78BC)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(7B78BC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7B78BC
RGB	123, 120, 188
RGB Percent	48%, 47%, 74%
CMY	0.5176, 0.5294, 0.2627
CMYK	0.35, 0.36, 0.00, 0.26
HSL	243°, 34%, 60%
HSV	243°, 36%, 74%
XYZ	23.9620, 21.2747, 50.4205
YIQ	128.6490, -20.0400, 21.7840

# Conversions

## Conversions Part 2

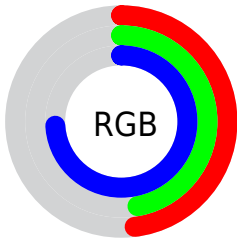
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 120, 188
Decimal	8091836
CIE <sub>Lab</sub>	53.25, 17.38, -35.34
CIE <sub>LCh</sub>	53, 39.378, 296.184
Yxy	21.2747, 0.2505, 0.2224
Android (android.graphics.Color)	4286281916 (0xFF7B78BC)
YUV	128.6490, 29.2600, -4.9542
Hunter-Lab	46.1245, 12.0138, -32.5249

# Details

The Hex color **7B78BC** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **B9BC78**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **B1ACF5**, and **474886** is the 20% darker color. If you saturate the color by 10%, you get **6965BC**, and if you desaturate by 10%, it is **8D8BBC**.

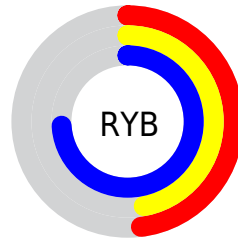
# Distribution



Red (48%)

Green (47%)

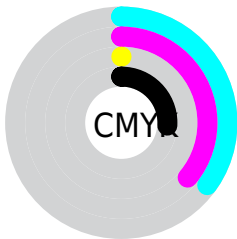
Blue (74%)



Red (48%)

Yellow (47%)

Blue (74%)

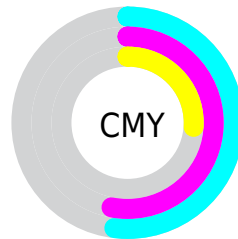


Cyan (35%)

Magenta (36%)

Yellow (0%)

Black (26%)



Cyan (52%)

Magenta (53%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B78BC 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 7B78BC by changing the saturation by 10% instead.



■ 7B78BC

■ 7B78BC

FFFFFF

■ 615FA1

■ B1ACF5

■ 474886

■ CEC8FF

■ 2D316D

■ EAE4FF

■ 101C54

■ 00043D

■ 000326

■ 00010F

■ 000000

■ 7B78BC

■ 7B78BC

6965BC

8D8BBC

5752BC

9F9EBC

4540BC

B1B0BC

332DBC

C3C3BC

211ABC

D5D6BC

0F07BC

E7E9BC

0800BC

F9FCBC

FFFFBC

# Harmonies

## Analogous

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



3884C2



7B78BC



A56BA5

# Triad

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



7B78BC



B16F48



00907A

# Complementary

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



7B78BC



B9BC78

# 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.



4C8D58



7B78BC



977C3A

# Square

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



7B78BC



BE6563



768640



00909C

# Rectangle

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



7B78BC



B66590



768640



238F6E



# Sweetspot

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



7B78BC



DBDAF5



78BABC



6B6A7A



FAFAFA



7A7A7A



# Same Dimension

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



7B78BC



908CF5



9C78BC



5555E



07009E



01001F



# Inverse Universe

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



BC78B9



F58CF0



98BC78



5E555E



9E0097

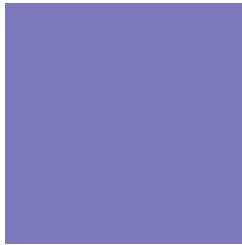


1F001D



# Previews

## White Background



This preview shows how the Hex color 7B78BC looks on a white background.

## Color Contrast Check

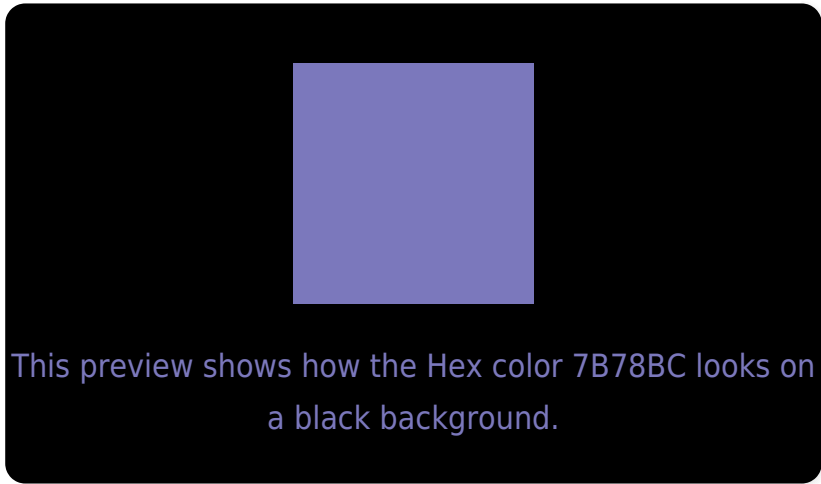
Large Text (above 18pt) WCAG AA ✓ Pass

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 7B78BC Background



This preview shows how black text looks on a background with the Hex color 7B78BC.



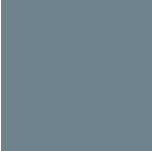
This preview shows how white text looks on a background with the Hex color 7B78BC.

# 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](#).

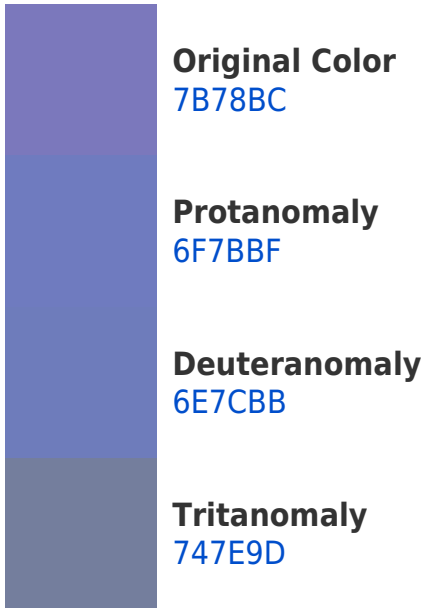
## Dichromacy





**Tritanopia**  
70828C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B78BC 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 #7B78BC looks like.

```
.text, #text, p{  
    color:#7B78BC  
}
```

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 #7B78BC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B78BC
}
```

## Border

The CSS property to change the border of an element to Hex 7B78BC is called "border". The border property can be set on classes, ids or directly on the HTML element.

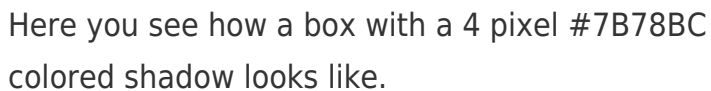
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7B78BC }
```

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

```
.border{ border-color:#7B78BC }
```

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



Here you see how a box with a 4 pixel #7B78BC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B78BC; -webkit-box-shadow:4px 4px  
4px 4px #7B78BC; box-shadow:4px 4px 4px  
4px #7B78BC }
```

# Background

The CSS property to change the background color of an element to Hex 7B78BC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B78BC }
```

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

```
.background{ background-color:#7B78BC }
```

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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