

# Converting Colors

Hex(7F80B6)

Have a look what the booklet for  
Hex(7F80B6) contains.

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# Color

**Hex(7F80B6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7F80B6
RGB	127, 128, 182
RGB Percent	50%, 50%, 71%
CMY	0.5020, 0.4980, 0.2863
CMYK	0.30, 0.30, 0.00, 0.29
HSL	239°, 27%, 61%
HSV	239°, 30%, 71%
XYZ	24.9151, 23.3278, 47.4455
YIQ	133.8570, -17.9300, 16.5820

# Conversions

## Conversions Part 2

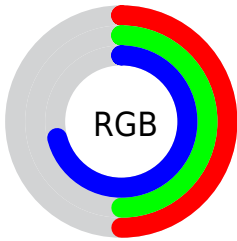
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	127, 128, 182
Decimal	8356022
CIE <sub>Lab</sub>	55.41, 12.20, -28.51
CIE <sub>LCh</sub>	55, 31.010, 293.170
Yxy	23.3278, 0.2604, 0.2438
Android (android.graphics.Color)	4286546102 (0xFF7F80B6)
YUV	133.8570, 23.7345, -6.0136
Hunter-Lab	48.2988, 7.5567, -24.4333

# Details

The Hex color **7F80B6** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **B6B57F**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **B5B5EE**, and **4C4F81** is the 20% darker color. If you saturate the color by 10%, you get **6D6EB6**, and if you desaturate by 10%, it is **9192B6**.

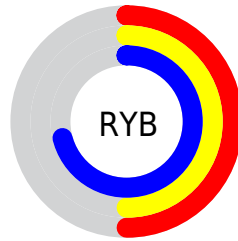
# Distribution



Red (50%)

Green (50%)

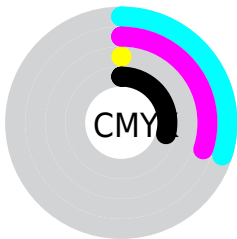
Blue (71%)



Red (50%)

Yellow (50%)

Blue (71%)

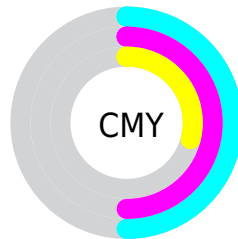


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (29%)



Cyan (50%)

Magenta (50%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7F80B6 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 7F80B6 by changing the saturation by 10% instead.



■ 7F80B6

■ 7F80B6

FFFFFF

■ 65679B

■ B5B5EE

■ 4C4F81

■ D1D0FF

■ 333868

■ EEECFE

■ 1A234F

■ 000E38

■ 000222

■ 000008

■ 000000

■ 7F80B6

■ 7F80B6

6D6EB6

9192B6

5B5CB6

A3A4B6

484AB6

B6B6B6

3639B6

C8C7B6

2427B6

DAD9B6

1215B6

ECEBB6

0003B6

FEFDB6

FFFFB6

# Harmonies

## Analogous

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



5389BA



7F80B6



A176A5

# Triad

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



7F80B6



B0785B



3F937D

# Complementary

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



7F80B6



B6B57F

# 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.



629064



7F80B6



9C814F

# Square

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



7F80B6



B97171



818952



1A9399

# Rectangle

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



7F80B6



B07295



818952



4B9274



# Sweetspot

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



7F80B6



D8D8ED



7FB6B4



6B6B78



F7F7F7



787878



# Same Dimension

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



7F80B6



9899ED



997FB6



53535C



00039C



00011C



# Inverse Universe

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



B67F80



ED9899



9CB67F



5C5353



9C0003

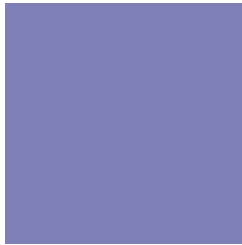


1C0001



# Previews

## White Background



This preview shows how the Hex color 7F80B6 looks on a white background.

## Color Contrast Check

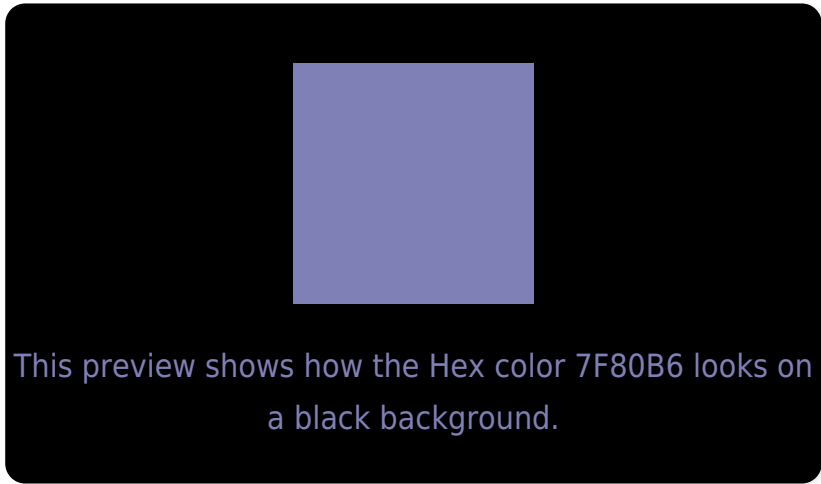
Large Text (above 18pt) WCAG AA ✓ Pass

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

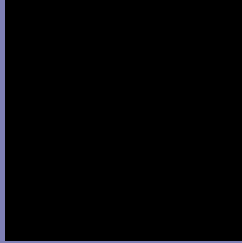
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 7F80B6 Background



This preview shows how black text looks on a background with the Hex color 7F80B6.



This preview shows how white text looks on a background with the Hex color 7F80B6.

# 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**  
7F80B6

**Protanopia**  
7483B8

**Deuteranopia**  
7683B5



**Tritanopia**  
778792

# Trichromacy



**Original Color**  
7F80B6

**Protanomaly**  
7882B7

**Deuteranomaly**  
7982B5

**Tritanomaly**  
7A849F

# Monochromacy



**Original Color**  
7F80B6

**Achromatopsia**  
868686

**Achromatomaly**  
838497

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7F80B6 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 #7F80B6 looks like.

```
.text, #text, p{  
    color:#7F80B6  
}
```

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 #7F80B6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7F80B6
}
```

## Border

The CSS property to change the border of an element to Hex 7F80B6 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
#7F80B6 }
```

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

```
.border{ border-color:#7F80B6 }
```

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

Here you see how a box with a 4 pixel #7F80B6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7F80B6; -webkit-box-shadow:4px 4px  
4px 4px #7F80B6; box-shadow:4px 4px 4px  
4px #7F80B6 }
```

# Background

The CSS property to change the background color of an element to Hex 7F80B6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7F80B6 }
```

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

```
.background{ background-color:#7F80B6 }
```

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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