

# Converting Colors

Hex(7580B6)

Have a look what the booklet for  
Hex(7580B6) contains.

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# Color

Hex(7580B6)

# Conversions

## Conversions Part 1

Format	Color
Hex	7580B6
RGB	117, 128, 182
RGB Percent	46%, 50%, 71%
CMY	0.5412, 0.4980, 0.2863
CMYK	0.36, 0.30, 0.00, 0.29
HSL	230°, 31%, 59%
HSV	230°, 36%, 71%
XYZ	23.4988, 22.5976, 47.3792
YIQ	130.8670, -23.8900, 14.4620

# Conversions

## Conversions Part 2

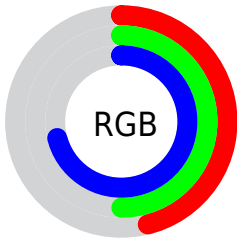
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	117, 126, 182
Decimal	7700662
CIE <sub>Lab</sub>	54.66, 9.26, -29.74
CIE <sub>LCh</sub>	55, 31.146, 287.305
Yxy	22.5976, 0.2514, 0.2417
Android (android.graphics.Color)	4285890742 (0xFF7580B6)
YUV	130.8670, 25.2086, -12.1614
Hunter-Lab	47.5370, 5.0475, -25.8174

# Details

The Hex color **7580B6** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **B6AB75**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **ABB5EE**, and **414F81** is the 20% darker color. If you saturate the color by 10%, you get **6371B6**, and if you desaturate by 10%, it is **878FB6**.

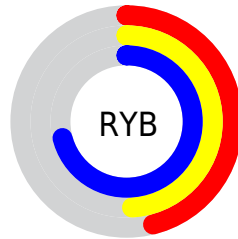
# Distribution



Red (46%)

Green (50%)

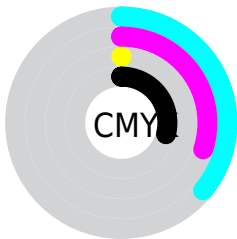
Blue (71%)



Red (46%)

Yellow (49%)

Blue (71%)

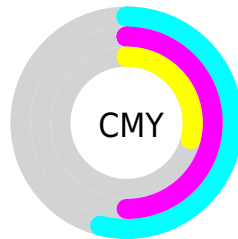


Cyan (36%)

Magenta (30%)

Yellow (0%)

Black (29%)



Cyan (54%)

Magenta (50%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7580B6 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 7580B6 by changing the saturation by 10% instead.



■ 7580B6

■ 7580B6

FFFFFF

■ 5B679B

■ ABB5EE

■ 414F81

■ C7D0FF

■ 283867

■ E3ECFF

■ 0A234F

■ 000E38

■ 000222

■ 000008

■ 000000

■ 7580B6

■ 7580B6

6371B6

878FB6

5162B6

999EB6

3E53B6

ACADB6

2C44B6

BEBCB6

1A34B6

D0CCB6

0825B6

E2DBB6

001FB6

F4EAB6

FFF9B6

FFFFB6

# Harmonies

## Analogous

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



4789B7



7580B6



9976A7

# Triad

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



7580B6



B1745C



449076

# Complementary

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



7580B6



B6AB75

# 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.



668D5D



7580B6



9F7D4E

# Square

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



7580B6



B76E74



85864E



1B9192

# Rectangle

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



7580B6



AA7198



85864E



50906D



# Sweetspot

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



7580B6



D3D7ED



75B6AA



686B78



F7F7F7



787878



# Same Dimension

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



7580B6



8798ED



8A75B6



53545C



001A9C



00051C



# Inverse Universe

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



B67580



ED8798



A1B675



5C5354



9C001A

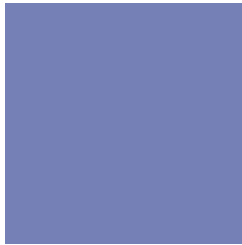


1C0005



# Previews

## White Background



This preview shows how the Hex color 7580B6 looks on a white background.

## Color Contrast Check

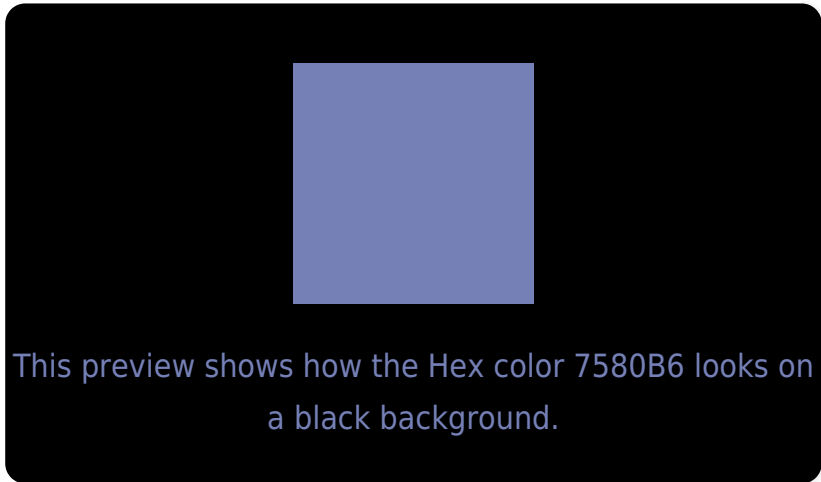
Large Text (above 18pt) WCAG AA ✓ Pass

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 7580B6 Background



This preview shows how black text looks on a background with the Hex color 7580B6.



This preview shows how white text looks on a background with the Hex color 7580B6.

# 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**  
7580B6

**Protanopia**  
7281B7

**Deuteranopia**  
7181B6



**Tritanopia**  
6D8792

# Trichromacy



**Original Color**  
7580B6

**Protanomaly**  
7381B7

**Deuteranomaly**  
7281B6

**Tritanomaly**  
70849F

# Monochromacy



**Original Color**  
7580B6

**Achromatopsia**  
838383

**Achromatomaly**  
7E8296

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7580B6 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 #7580B6 looks like.

```
.text, #text, p{  
    color:#7580B6  
}
```

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 #7580B6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7580B6
}
```

## Border

The CSS property to change the border of an element to Hex 7580B6 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
#7580B6 }
```

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

```
.border{ border-color:#7580B6 }
```

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

Here you see how a box with a 4 pixel #7580B6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7580B6; -webkit-box-shadow:4px 4px  
4px 4px #7580B6; box-shadow:4px 4px 4px  
4px #7580B6 }
```

# Background

The CSS property to change the background color of an element to Hex 7580B6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7580B6 }
```

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

```
.background{ background-color:#7580B6 }
```

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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