

# Converting Colors

Hex(757EBA)

Have a look what the booklet for  
Hex(757EBA) contains.

<b>Hex(757EBA)</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(757EBA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	757EBA
RGB	117, 126, 186
RGB Percent	46%, 49%, 73%
CMY	0.5412, 0.5059, 0.2706
CMYK	0.37, 0.32, 0.00, 0.27
HSL	232°, 33%, 59%
HSV	232°, 37%, 73%
XYZ	23.6599, 22.2488, 49.5018
YIQ	130.1490, -24.6240, 16.7520

# Conversions

## Conversions Part 2

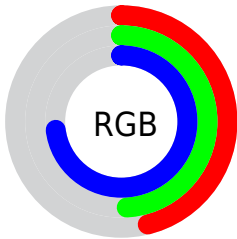
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	117, 125, 186
Decimal	7700154
CIE Lab	54.29, 11.56, -32.60
CIE LCh	54, 34.584, 289.520
Yxy	22.2488, 0.2480, 0.2332
Android (android.graphics.Color)	4285890234 (0xFF757EBA)
YUV	130.1490, 27.5345, -11.5317
Hunter-Lab	47.1686, 6.9910, -29.2047

# Details

The Hex color **757EBA** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **BAB175**, and the grayscale version is **828282**.

A 20% lighter version of the original color is **ABB3F2**, and **414D85** is the 20% darker color. If you saturate the color by 10%, you get **626EBA**, and if you desaturate by 10%, it is **888EBA**.

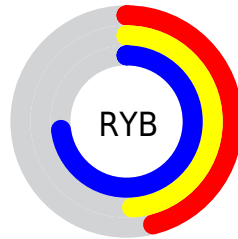
# Distribution



Red (46%)

Green (49%)

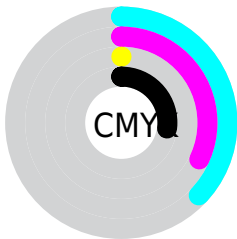
Blue (73%)



Red (46%)

Yellow (49%)

Blue (73%)

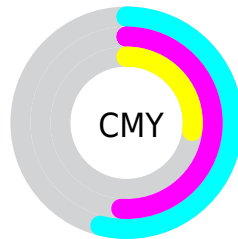


Cyan (37%)

Magenta (32%)

Yellow (0%)

Black (27%)



Cyan (54%)

Magenta (51%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 757EBA 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 757EBA by changing the saturation by 10% instead.



■ 757EBA

■ 757EBA

FFFFFF

■ 5B659F

■ ABB3F2

■ 414D85

■ C7CEFF

■ 27376B

■ E4EAFF

■ 062252

■ 000C3B

■ 000225

■ 00010D

■ 000000

■ 757EBA

■ 757EBA

■ 626EBA

■ 888EBA

■ 505EBA

■ 9A9EBA

■ 3D4DBA

■ ADAFBA

■ 2B3DBA

■ BFBFBA

■ 182DBA

■ D2CFBA

■ 051DBA

■ E5DFBA

■ 0018BA

■ F7EFBA

■ FFFFBA

# Harmonies

## Analogous

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



3E88BC



757EBA



9D73A9

# Triad

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



757EBA



B37256



349176

# Complementary

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



757EBA



BAB175

# 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.



5F8D5A



757EBA



9E7C47

# Square

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



757EBA



BB6B6F



818648



009195

# Rectangle

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



757EBA



AF6D97



818648



44906C



# Sweetspot

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



757EBA



D8DBF2



75BAB1



6A6D7A



FAFAFA



7A7A7A



# Same Dimension

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



757EBA



8593F2



8E75BA



53545C



00149C



00041C



# Inverse Universe

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



BA757E



F28593



A1BA75



5C5354



9C0014

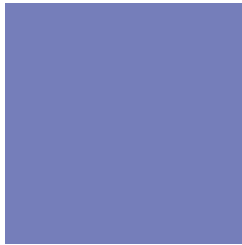


1C0004



# Previews

## White Background



This preview shows how the Hex color 757EBA looks on a white background.

## Color Contrast Check

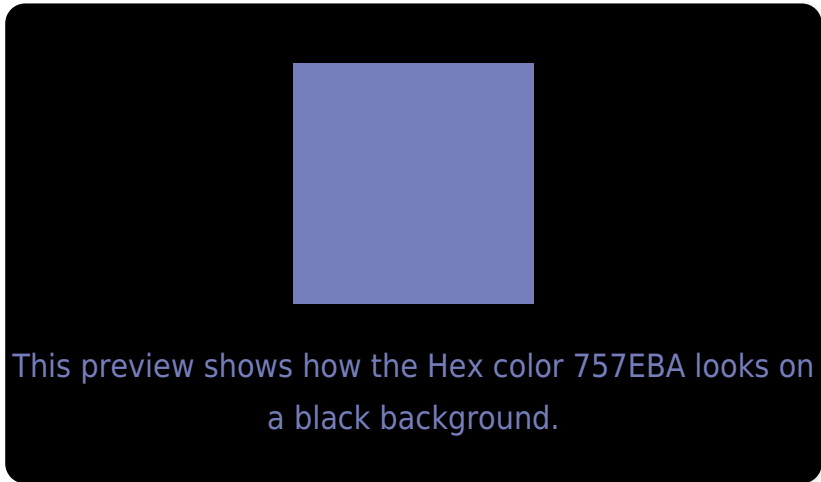
Large Text (above 18pt) WCAG AA ✓ Pass

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

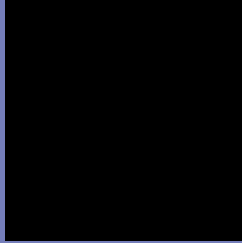
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 757EBA Background



This preview shows how black text looks on a background with the Hex color 757EBA.



This preview shows how white text looks on a background with the Hex color 757EBA.

# 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**  
757EBA

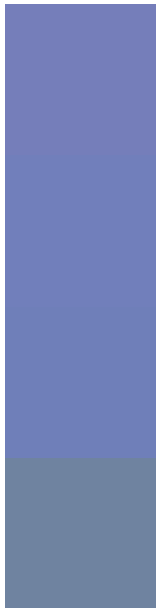
**Protanopia**  
6E80BB

**Deuteranopia**  
6C80B9



**Tritanopia**  
6B8691

# Trichromacy



**Original Color**  
757EBA

**Protanomaly**  
717FBB

**Deuteranomaly**  
6F7FB9

**Tritanomaly**  
6F83A0

# Monochromacy



**Original Color**  
757EBA

**Achromatopsia**  
828282

**Achromatomaly**  
7D8196

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 757EBA 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 #757EBA looks like.

```
.text, #text, p{  
    color:#757EBA  
}
```

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 #757EBA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #757EBA
}
```

## Border

The CSS property to change the border of an element to Hex 757EBA 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
#757EBA }
```

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

```
.border{ border-color:#757EBA }
```

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

Here you see how a box with a 4 pixel #757EBA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #757EBA; -webkit-box-shadow:4px 4px  
4px 4px #757EBA; box-shadow:4px 4px 4px  
4px #757EBA }
```

# Background

The CSS property to change the background color of an element to Hex 757EBA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#757EBA }
```

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

```
.background{ background-color:#757EBA }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor