

# Converting Colors

Hex(507BB2)

Have a look what the booklet for  
Hex(507BB2) contains.

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# Color

Hex(507BB2)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	507BB2
RGB	80, 123, 178
RGB Percent	31%, 48%, 70%
CMY	0.6863, 0.5176, 0.3020
CMYK	0.55, 0.31, 0.00, 0.30
HSL	214°, 39%, 51%
HSV	214°, 55%, 70%
XYZ	18.4271, 19.0857, 44.8322
YIQ	116.4130, -43.2830, 7.9890

# Conversions

## Conversions Part 2

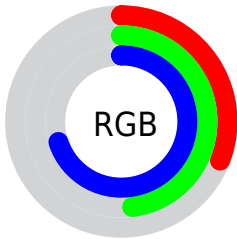
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	80, 110, 178
Decimal	5274546
CIE <sub>Lab</sub>	50.79, 1.51, -33.64
CIE <sub>LCh</sub>	51, 33.673, 272.568
Yxy	19.0857, 0.2238, 0.2318
Android (android.graphics.Color)	4283464626 (0xFF507BB2)
YUV	116.4130, 30.3624, -31.9342
Hunter-Lab	43.6872, -1.1621, -30.2628

# Details

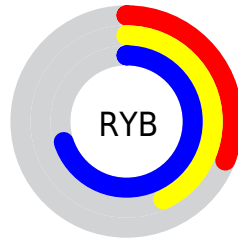
The Hex color **507BB2** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **B28750**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **87AFEA**, and **0E4B7D** is the 20% darker color. If you saturate the color by 10%, you get **3E71B2**, and if you desaturate by 10%, it is **6285B2**.

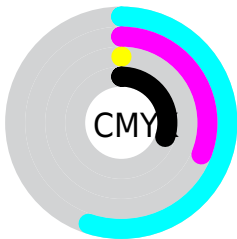
# Distribution



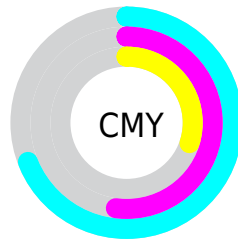
- Red (31%)
- Green (48%)
- Blue (70%)



- Red (31%)
- Yellow (43%)
- Blue (70%)



- Cyan (55%)
- Magenta (31%)
- Yellow (0%)
- Black (30%)



- Cyan (69%)
- Magenta (52%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 507BB2 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 507BB2 by changing the saturation by 10% instead.



■ 507BB2

■ 507BB2

FFFFFF

■ 336297

■ 87AFEA

■ 0E4B7D

■ A3CBFF

■ 003464

■ C0E7FF

■ 00204C

■ DDFFFF

■ 000635

■ FAFFFF

■ 00021F

■ 000001

■ 000000

■ 507BB2

■ 507BB2

■ 3E71B2

■ 6285B2

■ 2C67B2

■ 748FB2

■ 1B5DB2

■ 8599B2

■ 0953B2

■ 97A3B2

■ 004EB2

■ A9ADB2

■ BBB7B2

■ CDC1B2

■ DECBB2

■ F0D5B2

# Harmonies

## Analogous

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



0083AB



507BB2



7F71A9

# Triad

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



507BB2



AE655C



47865D

# Complementary

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



507BB2



B28750

# 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.



6B8047



507BB2



A06E46

# Square

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



507BB2



AF6278



89783E



0C887B

# Rectangle

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



507BB2



96699C



89783E



548455



# Sweetspot

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



507BB2



C1D2E8



50B286



5E6875



F5F5F5



757575



# Same Dimension

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



507BB2



4F92E8



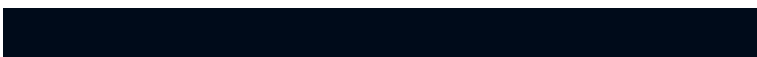
5550B2



505459



004399



000B1A



# Inverse Universe

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



B2507B



E84F92



ADB250



595054



990043



1A000B



# Previews

## White Background



This preview shows how the Hex color 507BB2 looks on a white background.

## Color Contrast Check

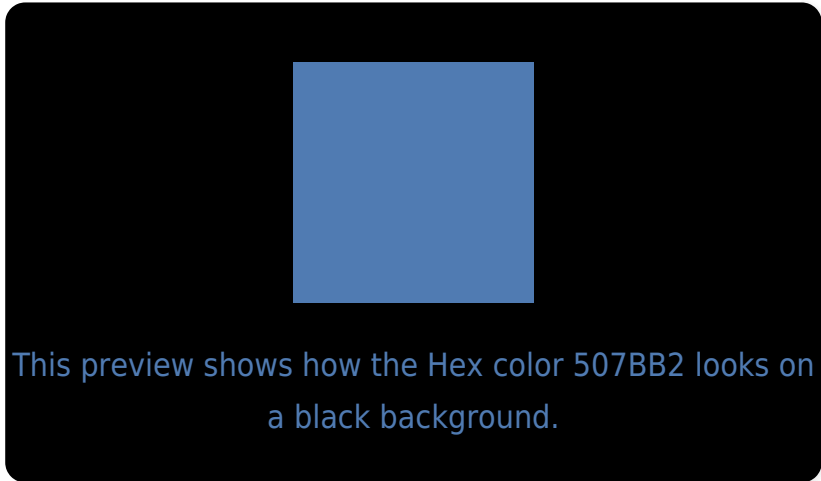
Large Text (above 18pt) WCAG AA ✓ Pass

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

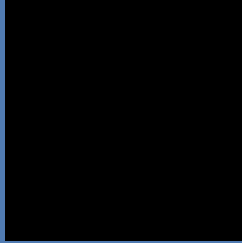
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 507BB2 Background



This preview shows how black text looks on a background with the Hex color 507BB2.

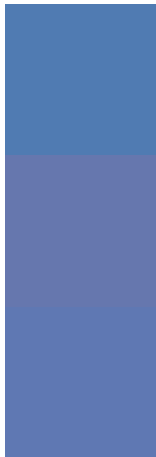


This preview shows how white text looks on a background with the Hex color 507BB2.

# 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**  
507BB2

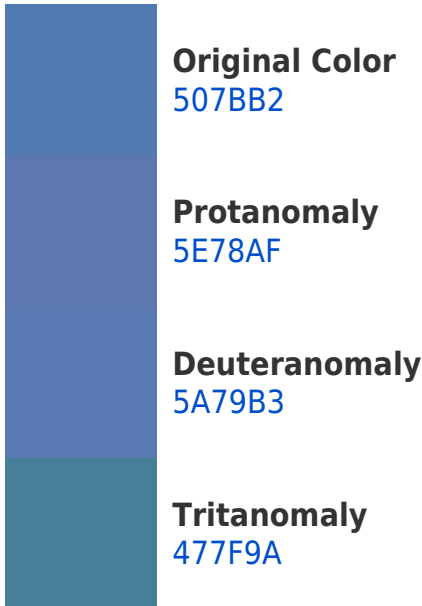
**Protanopia**  
6677AE

**Deuteranopia**  
5F78B3



**Tritanopia**  
42828D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 507BB2 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 #507BB2 looks like.

```
.text, #text, p{  
    color:#507BB2  
}
```

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 #507BB2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #507BB2
}
```

## Border

The CSS property to change the border of an element to Hex 507BB2 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
#507BB2 }
```

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

```
.border{ border-color:#507BB2 }
```

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

Here you see how a box with a 4 pixel #507BB2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #507BB2; -webkit-box-shadow:4px 4px  
4px 4px #507BB2; box-shadow:4px 4px 4px  
4px #507BB2 }
```

# Background

The CSS property to change the background color of an element to Hex 507BB2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#507BB2 }
```

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

```
.background{ background-color:#507BB2 }
```

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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