

# Converting Colors

Hex(5A77C0)

Have a look what the booklet for  
Hex(5A77C0) contains.

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**Color**

**Hex(5A77C0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5A77C0
RGB	90, 119, 192
RGB Percent	35%, 47%, 75%
CMY	0.6471, 0.5333, 0.2471
CMYK	0.53, 0.38, 0.00, 0.25
HSL	223°, 45%, 55%
HSV	223°, 53%, 75%
XYZ	20.3277, 19.1731, 52.4986
YIQ	118.6510, -40.7170, 16.5550

# Conversions

## Conversions Part 2

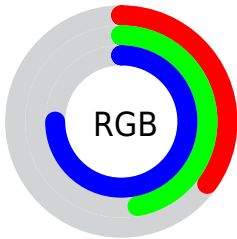
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	90, 113, 192
Decimal	5928896
CIE <sub>Lab</sub>	50.89, 10.70, -41.50
CIE <sub>LCh</sub>	51, 42.859, 284.451
Yxy	19.1731, 0.2210, 0.2084
Android (android.graphics.Color)	4284118976 (0xFF5A77C0)
YUV	118.6510, 36.1611, -25.1269
Hunter-Lab	43.7871, 6.2394, -40.4349

# Details

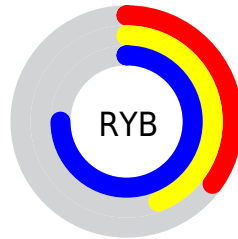
The Hex color **5A77C0** is a dark color, and the websafe version is hex **666699**. The color can be described as middle muted azure. A complement of this color would be **C0A35A**, and the grayscale version is **767676**.

A 20% lighter version of the original color is **92ABF9**, and **1C478A** is the 20% darker color. If you saturate the color by 10%, you get **4769C0**, and if you desaturate by 10%, it is **6D85C0**.

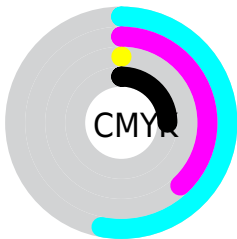
# Distribution



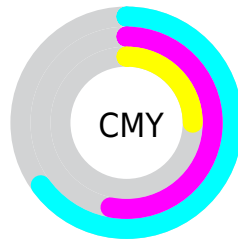
- Red (35%)
- Green (47%)
- Blue (75%)



- Red (35%)
- Yellow (44%)
- Blue (75%)



- Cyan (53%)
- Magenta (38%)
- Yellow (0%)
- Black (25%)



- Cyan (65%)
- Magenta (53%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5A77C0 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 5A77C0 by changing the saturation by 10% instead.



■ 5A77C0

■ 5A77C0

FFFFFF

■ 3D5EA5

■ 92ABF9

■ 1C478A

■ AEC6FF

■ 003170

■ CBE2FF

■ 001D57

■ E8FFFF

■ 000140

■ 000329

■ 000113

■ 000000

■ 5A77C0

■ 5A77C0

■ 4769C0

■ 6D85C0

■ 345CC0

■ 8092C0

■ 204EC0

■ 94A0C0

■ 0D40C0

■ A7AEC0

■ 0037C0

■ BABCC0

■ CDC9C0

■ E0D7C0

■ F4E5C0

■ FFF3C0

# Harmonies

## Analogous

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



0082BF



5A77C0



9268AE

# Triad

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



5A77C0



B56348



028A64

# Complementary

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



5A77C0



C0A35A

# 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.



548543



5A77C0



9E7031

# Square

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



5A77C0



BD5A69



7D7D2E



008B8A

# Rectangle

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



5A77C0



AA5F99



7D7D2E



2E8958



# Sweetspot

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



5A77C0



D2DDFA



5AC0A1



656C7D



FCFCFC



7D7D7D



# Same Dimension

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



5A77C0



5A87FA



6E5AC0



575A61



002EA1



000921



# Inverse Universe

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



C05A77



FA5A87



ACC05A



61575A



A1002E

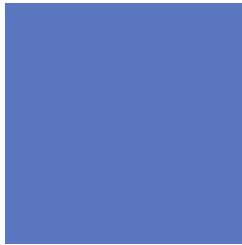


210009



# Previews

## White Background



This preview shows how the Hex color 5A77C0 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 5A77C0 Background



This preview shows how black text looks on a background with the Hex color 5A77C0.

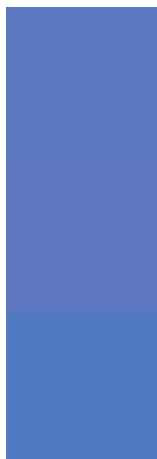


This preview shows how white text looks on a background with the Hex color 5A77C0.

# 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**  
5A77C0

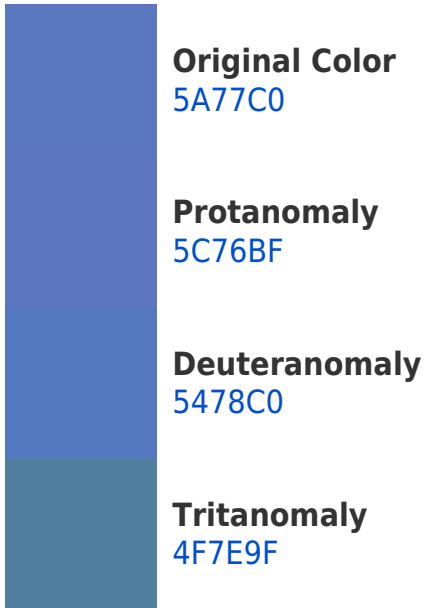
**Protanopia**  
5D76BF

**Deuteranopia**  
5179C0

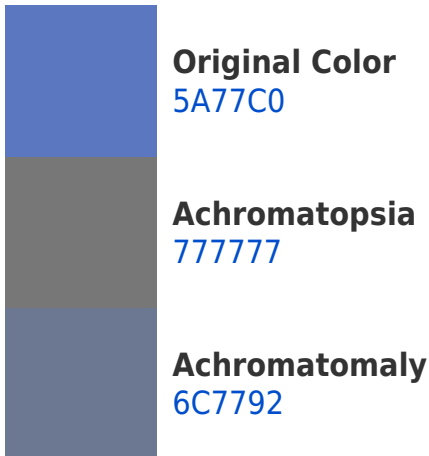


**Tritanopia**  
48828C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5A77C0 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 #5A77C0 looks like.

```
.text, #text, p{  
    color:#5A77C0  
}
```

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 #5A77C0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5A77C0
}
```

## Border

The CSS property to change the border of an element to Hex 5A77C0 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
#5A77C0 }
```

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

```
.border{ border-color:#5A77C0 }
```

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

Here you see how a box with a 4 pixel #5A77C0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5A77C0; -webkit-box-shadow:4px 4px  
4px 4px #5A77C0; box-shadow:4px 4px 4px  
4px #5A77C0 }
```

# Background

The CSS property to change the background color of an element to Hex 5A77C0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5A77C0 }
```

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

```
.background{ background-color:#5A77C0 }
```

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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