

# Converting Colors

Hex(5B70E9)

Have a look what the booklet for  
Hex(5B70E9) contains.

<b>Hex(5B70E9)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(5B70E9)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5B70E9
RGB	91, 112, 233
RGB Percent	36%, 44%, 91%
CMY	0.6431, 0.5608, 0.0863
CMYK	0.61, 0.52, 0.00, 0.09
HSL	231°, 76%, 64%
HSV	231°, 61%, 91%
XYZ	24.8165, 19.6957, 79.5845
YIQ	119.5150, -51.3570, 33.1790

# Conversions

## Conversions Part 2

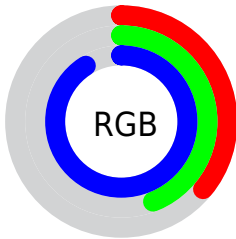
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	91, 109, 233
Decimal	5992681
CIE <sub>Lab</sub>	51.49, 28.66, -63.79
CIE <sub>LCh</sub>	51, 69.936, 294.195
Yxy	19.6957, 0.2000, 0.1587
Android (android.graphics.Color)	4284182761 (0xFF5B70E9)
YUV	119.5150, 55.9481, -25.0077
Hunter-Lab	44.3798, 22.1499, -75.2564

# Details

The Hex color **5B70E9** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **E9D45B**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **98A3FF**, and **0041B0** is the 20% darker color. If you saturate the color by 10%, you get **445CE9**, and if you desaturate by 10%, it is **7284E9**.

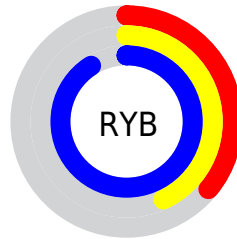
# Distribution



Red (36%)

Green (44%)

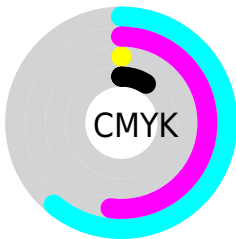
Blue (91%)



Red (36%)

Yellow (43%)

Blue (91%)

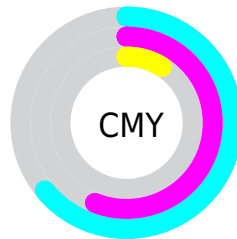


Cyan (61%)

Magenta (52%)

Yellow (0%)

Black (9%)



Cyan (64%)

Magenta (56%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5B70E9 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 5B70E9 by changing the saturation by 10% instead.



■ 5B70E9

■ 5B70E9

FFFFFF

■ 3858CC

■ 98A3FF

■ 0041B0

■ B6BEFF

■ 002B95

■ D5DAFF

■ 00187B

■ F3F7FF

■ 000061

■ 000848

■ 000431

■ 00011B

■ 000000

■ 5B70E9

■ 5B70E9

■ 445CE9

■ 7284E9

■ 2C48E9

■ 8A98E9

■ 1534E9

■ A1ACE9

■ 0022E9

■ B8BFE9

■ D0D3E9

■ E7E7E9

■ FEFBE9

■ FFFFE9

# Harmonies

## Analogous

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



0086F3



5B70E9



B651C2

# Triad

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



5B70E9



C95A11



00946D

# Complementary

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



5B70E9



E9D45B

# 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.



00902E



5B70E9



9E7400

# Square

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



5B70E9



E13C4E



668600



0095AA

# Rectangle

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



5B70E9



D43C9D



668600



009358



# Sweetspot

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



5B70E9



D1D8FF



5BE9D4



636880



000000



808080



# Same Dimension

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



5B70E9



4560FF



8D5BE9



6A6B75



001BB5



000836



# Inverse Universe

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



E95B70



FF4560



B7E95B



756A6B



B5001B

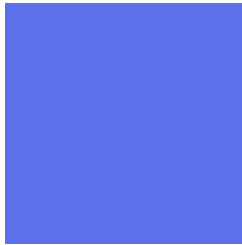


360008



# Previews

## White Background



This preview shows how the Hex color 5B70E9 looks on a white background.

## Color Contrast Check

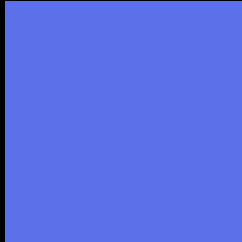
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 5B70E9 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

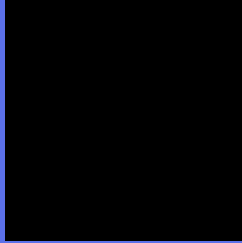
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 5B70E9 Background



This preview shows how black text looks on a background with the Hex color 5B70E9.

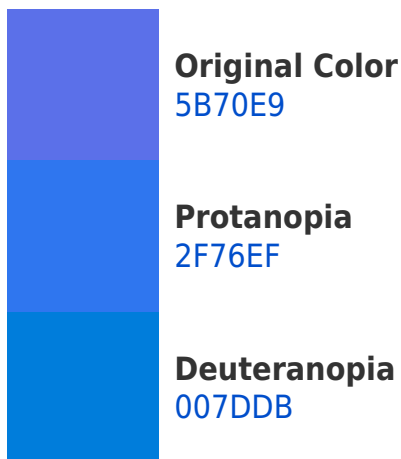


This preview shows how white text looks on a background with the Hex color 5B70E9.

# 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](#).

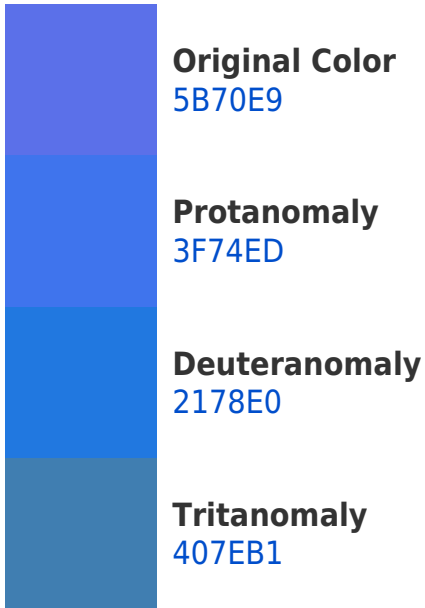
## Dichromacy





**Tritanopia**  
308691

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5B70E9 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 #5B70E9 looks like.

```
.text, #text, p{  
    color:#5B70E9  
}
```

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 #5B70E9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5B70E9
}
```

## Border

The CSS property to change the border of an element to Hex 5B70E9 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
#5B70E9 }
```

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

```
.border{ border-color:#5B70E9 }
```

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

Here you see how a box with a 4 pixel #5B70E9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5B70E9; -webkit-box-shadow:4px 4px  
4px 4px #5B70E9; box-shadow:4px 4px 4px  
4px #5B70E9 }
```

# Background

The CSS property to change the background color of an element to Hex 5B70E9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5B70E9 }
```

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

```
.background{ background-color:#5B70E9 }
```

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