

# Converting Colors

Hex(5068E0)

Have a look what the booklet for  
Hex(5068E0) contains.

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# Color

**Hex(5068E0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5068E0
RGB	80, 104, 224
RGB Percent	31%, 41%, 88%
CMY	0.6863, 0.5922, 0.1216
CMYK	0.64, 0.54, 0.00, 0.12
HSL	230°, 70%, 60%
HSV	230°, 64%, 88%
XYZ	21.7131, 16.9879, 72.6556
YIQ	110.5040, -52.8240, 32.2320

# Conversions

## Conversions Part 2

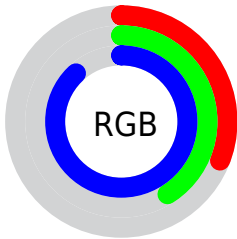
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	80, 101, 224
Decimal	5269728
CIE <sub>Lab</sub>	48.24, 28.74, -64.00
CIE <sub>LCh</sub>	48, 70.158, 294.180
Yxy	16.9879, 0.1950, 0.1526
Android (android.graphics.Color)	4283459808 (0xFF5068E0)
YUV	110.5040, 55.9535, -26.7520
Hunter-Lab	41.2164, 21.9065, -75.6639

# Details

The Hex color **5068E0** 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 **E0C850**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **8E9BFF**, and **003AA8** is the 20% darker color. If you saturate the color by 10%, you get **3A55E0**, and if you desaturate by 10%, it is **667BE0**.

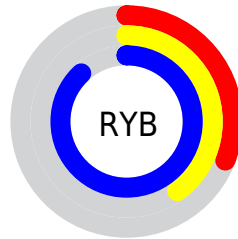
# Distribution



Red (31%)

Green (41%)

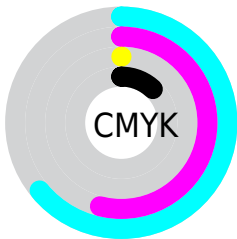
Blue (88%)



Red (31%)

Yellow (40%)

Blue (88%)

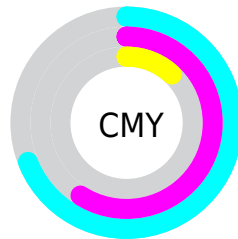


Cyan (64%)

Magenta (54%)

Yellow (0%)

Black (12%)



Cyan (69%)

Magenta (59%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5068E0 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 5068E0 by changing the saturation by 10% instead.



■ 5068E0

■ 5068E0

FFFFFF

■ 2A50C4

■ 8E9BFF

■ 003AA8

■ ACB6FF

■ 00258D

■ CBD1FF

■ 001372

■ E9EDFF

■ 000059

■ 000741

■ 00032A

■ 000114

■ 000000

■ 5068E0

■ 5068E0

■ 3A55E0

■ 667BE0

■ 2343E0

■ 7D8DE0

■ 0D30E0

■ 93A0E0

■ 0025E0

■ AAB3E0

■ C0C5E0

■ D6D8E0

■ EDEBE0

■ FFFDE0

■ FFFFEO

# Harmonies

## Analogous

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



007EEA



5068E0



AD48B9

# Triad

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



5068E0



BF5105



008B65

# Complementary

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



5068E0



E0C850

# 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.



008725



5068E0



956C00

# Square

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



5068E0



D73046



5D7D00



008CA2

# Rectangle

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



5068E0



CB3094



5D7D00



008A50



# Sweetspot

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



5068E0



CFD7FF



50E0C8



626780



000000



808080



# Same Dimension

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



5068E0



3B5BFF



8050E0



656770



001DB0



000830



# Inverse Universe

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



E05068



FF3B5B



B0E050



706567



B0001D

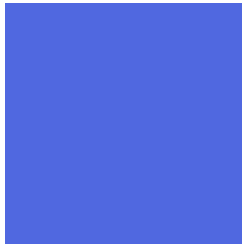


300008



# Previews

## White Background



This preview shows how the Hex color 5068E0 looks on a white background.

## Color Contrast Check

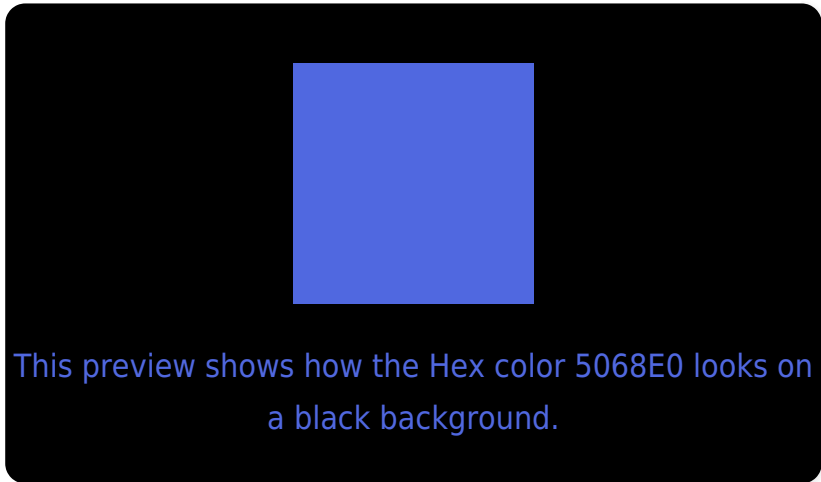
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

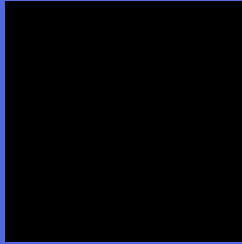
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5068E0 Background



This preview shows how black text looks on a background with the Hex color 5068E0.



This preview shows how white text looks on a background with the Hex color 5068E0.

# 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](#).

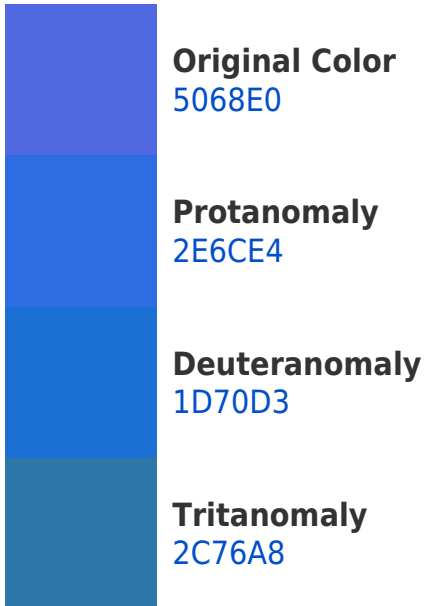
## Dichromacy





**Tritanopia**  
177E88

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5068E0 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 #5068E0 looks like.

```
.text, #text, p{  
    color:#5068E0  
}
```

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 #5068E0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5068E0
}
```

## Border

The CSS property to change the border of an element to Hex 5068E0 is called "border". The border property can be set on classes, ids or directly on the HTML element.

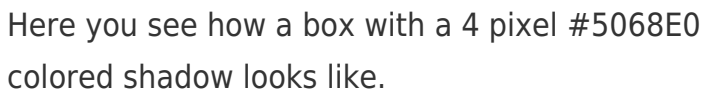
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#5068E0 }
```

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

```
.border{ border-color:#5068E0 }
```

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



Here you see how a box with a 4 pixel #5068E0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5068E0; -webkit-box-shadow:4px 4px  
4px 4px #5068E0; box-shadow:4px 4px 4px  
4px #5068E0 }
```

# Background

The CSS property to change the background color of an element to Hex 5068E0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5068E0 }
```

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

```
.background{ background-color:#5068E0 }
```

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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