

# Converting Colors

Hex(5165E1)

Have a look what the booklet for  
Hex(5165E1) contains.

<b>Hex(5165E1)</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(5165E1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5165E1
RGB	81, 101, 225
RGB Percent	32%, 40%, 88%
CMY	0.6824, 0.6039, 0.1176
CMYK	0.64, 0.55, 0.00, 0.12
HSL	232°, 71%, 60%
HSV	232°, 64%, 88%
XYZ	21.6376, 16.4929, 73.2772
YIQ	109.1560, -51.7240, 34.3240

# Conversions

## Conversions Part 2

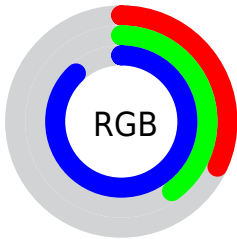
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 99, 225
Decimal	5334497
CIE <sub>Lab</sub>	47.61, 31.10, -65.59
CIE <sub>LCh</sub>	48, 72.586, 295.369
Yxy	16.4929, 0.1942, 0.1480
Android (android.graphics.Color)	4283524577 (0xFF5165E1)
<b>YUV</b>	109.1560, 57.1111, -24.6928
Hunter-Lab	40.6115, 24.0339, -78.5516

# Details

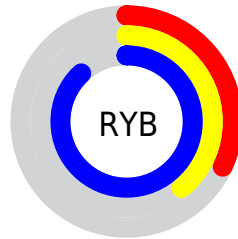
The Hex color **5165E1** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **E1CD51**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **8F98FF**, and **0037A9** is the 20% darker color. If you saturate the color by 10%, you get **3B52E1**, and if you desaturate by 10%, it is **6778E1**.

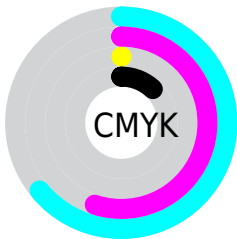
# Distribution



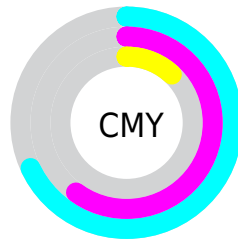
- Red (32%)
- Green (40%)
- Blue (88%)



- Red (32%)
- Yellow (39%)
- Blue (88%)



- Cyan (64%)
- Magenta (55%)
- Yellow (0%)
- Black (12%)



- Cyan (68%)
- Magenta (60%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5165E1 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 5165E1 by changing the saturation by 10% instead.



■ 5165E1

■ 5165E1

FFFFFF

■ 2B4DC5

■ 8F98FF

■ 0037A9

■ AEB2FF

■ 00228E

■ CCCEFF

■ 001073

■ EAEAFF

■ 00005A

■ 000741

■ 00032A

■ 000114

■ 000000

■ 5165E1

■ 5165E1

■ 3B52E1

■ 6778E1

■ 243EE1

■ 7E8CE1

■ 0E2BE1

■ 949FE1

■ 001FE1

■ ABB3E1

■ C2C6E1

■ D8D9E1

■ EFDEE1

■ FFFFE1

# Harmonies

## Analogous

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



007CEC



5165E1



AF42B8

# Triad

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



5165E1



BD4F00



008A65

# Complementary

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



5165E1



E1CD51

# 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.



008623



5165E1



916B00

# Square

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



5165E1



D72A41



577D00



008BA4

# Rectangle

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



5165E1



CD2792



577D00



008950



# Sweetspot

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



5165E1



CFD5FF



51E1CB



626680



000000



808080



# Same Dimension

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



5165E1



3B56FF



8351E1



656770



0018B0



000730



# Inverse Universe

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



E15165



FF3B56



AFE151



706567



B00018

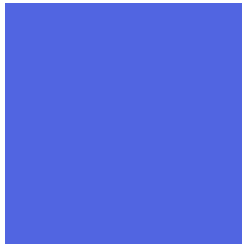


300007



# Previews

## White Background



This preview shows how the Hex color 5165E1 looks on a white background.

## Color Contrast Check

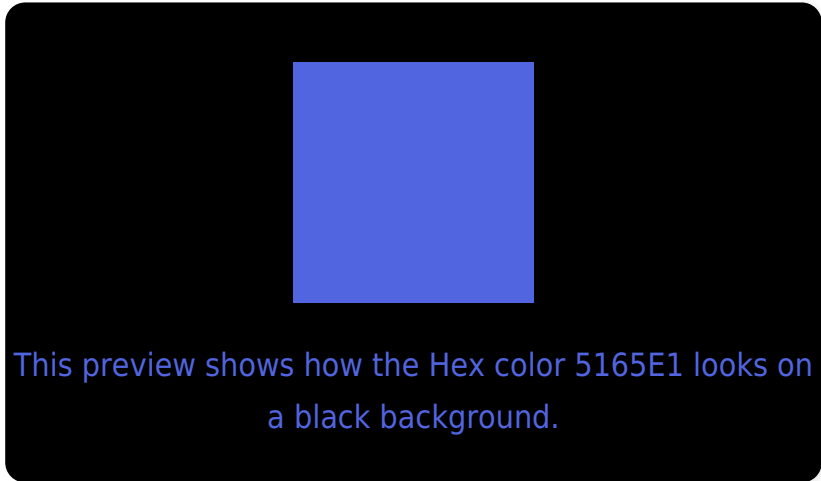
Large Text (above 18pt) WCAG AA ✓ Pass

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 5165E1 Background



This preview shows how black text looks on a background with the Hex color 5165E1.



This preview shows how white text looks on a background with the Hex color 5165E1.

# 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](#).

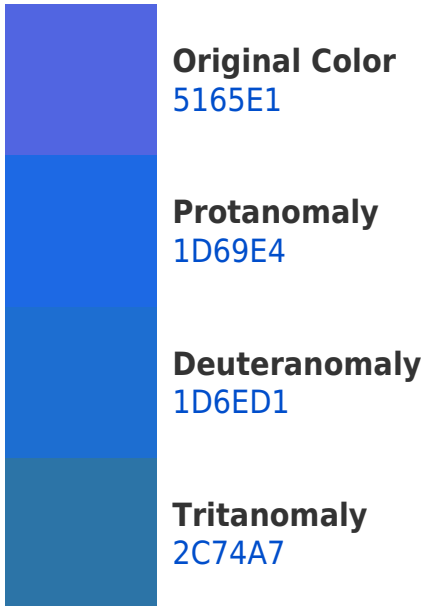
## Dichromacy





**Tritanopia**  
177C86

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5165E1 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 #5165E1 looks like.

```
.text, #text, p{  
    color:#5165E1  
}
```

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 #5165E1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5165E1
}
```

## Border

The CSS property to change the border of an element to Hex 5165E1 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
#5165E1 }
```

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

```
.border{ border-color:#5165E1 }
```

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

Here you see how a box with a 4 pixel #5165E1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5165E1; -webkit-box-shadow:4px 4px  
4px 4px #5165E1; box-shadow:4px 4px 4px  
4px #5165E1 }
```

# Background

The CSS property to change the background color of an element to Hex 5165E1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5165E1 }
```

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

```
.background{ background-color:#5165E1 }
```

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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