

# Converting Colors

Hex(5180B5)

Have a look what the booklet for  
Hex(5180B5) contains.

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# Color

**Hex(5180B5)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5180B5
RGB	81, 128, 181
RGB Percent	32%, 50%, 71%
CMY	0.6824, 0.4980, 0.2902
CMYK	0.55, 0.29, 0.00, 0.29
HSL	212°, 40%, 51%
HSV	212°, 55%, 71%
XYZ	19.4530, 20.5239, 46.6523
YIQ	119.9890, -45.0250, 6.5190

# Conversions

## Conversions Part 2

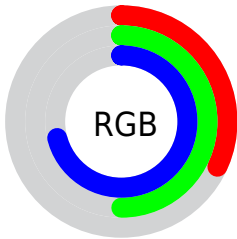
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 113, 181
Decimal	5341365
CIE <sub>Lab</sub>	52.42, -0.27, -32.80
CIE <sub>LCh</sub>	52, 32.805, 269.521
Yxy	20.5239, 0.2246, 0.2369
Android (android.graphics.Color)	4283531445 (0xFF5180B5)
YUV	119.9890, 30.0784, -34.1934
Hunter-Lab	45.3033, -2.6337, -29.3432

# Details

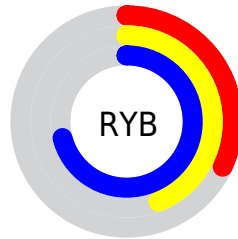
The Hex color **5180B5** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **B58651**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **89B5ED**, and **0F4F80** is the 20% darker color. If you saturate the color by 10%, you get **3F76B5**, and if you desaturate by 10%, it is **638AB5**.

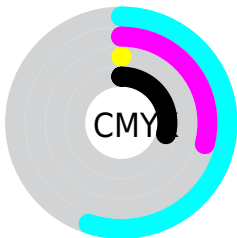
# Distribution



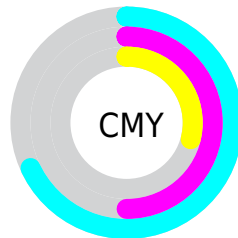
- Red (32%)
- Green (50%)
- Blue (71%)



- Red (32%)
- Yellow (44%)
- Blue (71%)



- Cyan (55%)
- Magenta (29%)
- Yellow (0%)
- Black (29%)



- Cyan (68%)
- Magenta (50%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5180B5 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 5180B5 by changing the saturation by 10% instead.



■ 5180B5

■ 5180B5

FFFFFF

■ 34679A

■ 89B5ED

■ 0F4F80

■ A5D0FF

■ 003967

■ C1ECFF

■ 00244E

■ DEFFFF

■ 000D37

■ FCFFFF

■ 000221

■ 000006

■ 000000

■ 5180B5

■ 5180B5

■ 3F76B5

■ 638AB5

■ 2D6DB5

■ 7593B5

■ 1B63B5

■ 879DB5

■ 095AB5

■ 99A6B5

■ 0055B5

■ ACB0B5

■ BEBAB5

■ D0C3B5

■ E2CDB5

■ F4D6B5

# Harmonies

## Analogous

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



0B87AD



5180B5



7F76AE

# Triad

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



5180B5



B26963



508960

# Complementary

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



5180B5



B58651

# 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.



72844B



5180B5



A6714D

# Square

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



5180B5



B1677F



8F7B44



248C7C

# Rectangle

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



5180B5



976FA2



8F7B44



5C8858



# Sweetspot

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



5180B5



C3D5EB



51B585



5E6975



F5F5F5



757575



# Same Dimension

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



5180B5



5099EB



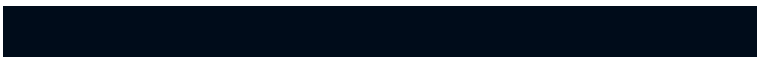
5351B5



505559



004899



000C1A



# Inverse Universe

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



B55180



EB5099



B3B551



595055



990048



1A000C



# Previews

## White Background



This preview shows how the Hex color 5180B5 looks on a white background.

## Color Contrast Check

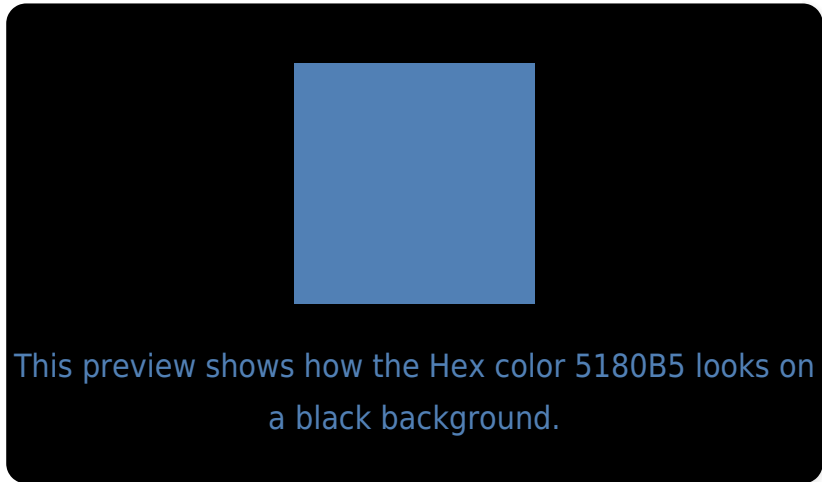
Large Text (above 18pt) WCAG AA ✓ Pass

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

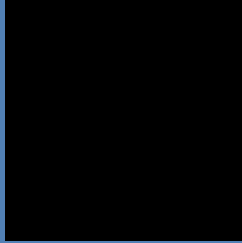
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 5180B5 Background



This preview shows how black text looks on a background with the Hex color 5180B5.

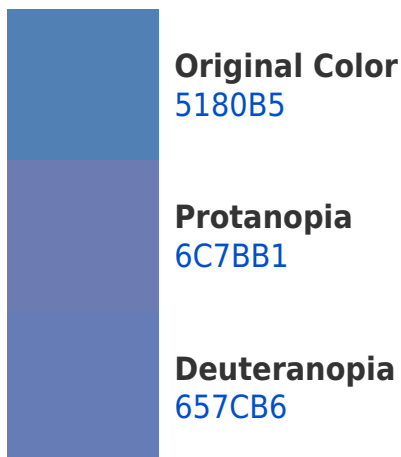


This preview shows how white text looks on a background with the Hex color 5180B5.

# 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](#).

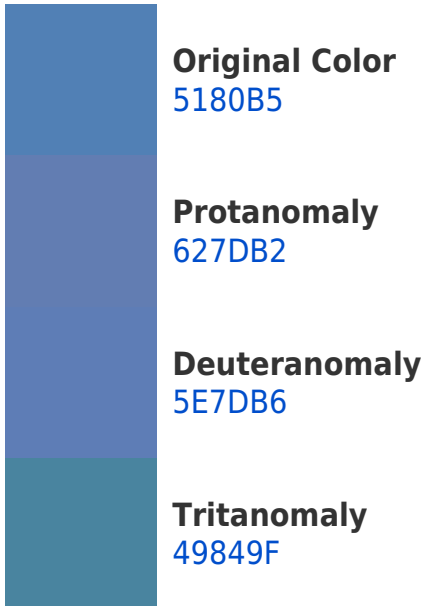
## Dichromacy



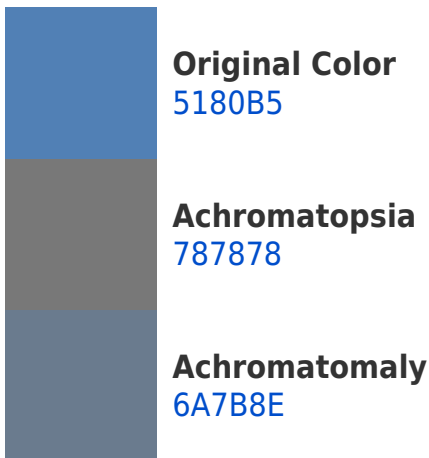


**Tritanopia**  
448792

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5180B5 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 #5180B5 looks like.

```
.text, #text, p{  
    color:#5180B5  
}
```

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 #5180B5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5180B5
}
```

## Border

The CSS property to change the border of an element to Hex 5180B5 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
#5180B5 }
```

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

```
.border{ border-color:#5180B5 }
```

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

Here you see how a box with a 4 pixel #5180B5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5180B5; -webkit-box-shadow:4px 4px  
4px 4px #5180B5; box-shadow:4px 4px 4px  
4px #5180B5 }
```

# Background

The CSS property to change the background color of an element to Hex 5180B5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5180B5 }
```

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

```
.background{ background-color:#5180B5 }
```

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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