

# Converting Colors

Hex(578EC3)

Have a look what the booklet for  
Hex(578EC3) contains.

<b>Hex(578EC3)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(578EC3)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	578EC3
RGB	87, 142, 195
RGB Percent	34%, 56%, 76%
CMY	0.6588, 0.4431, 0.2353
CMYK	0.55, 0.27, 0.00, 0.24
HSL	209°, 47%, 55%
HSV	209°, 55%, 76%
XYZ	23.4538, 25.3124, 55.2794
YIQ	131.5970, -49.7930, 4.8230

# Conversions

## Conversions Part 2

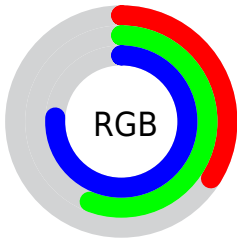
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	87, 123, 195
Decimal	5738179
CIE Lab	57.38, -2.67, -33.04
CIE LCh	57, 33.144, 265.374
Yxy	25.3124, 0.2254, 0.2433
Android (android.graphics.Color)	4283928259 (0xFF578EC3)
YUV	131.5970, 31.2577, -39.1116
Hunter-Lab	50.3114, -4.8331, -29.9266

# Details

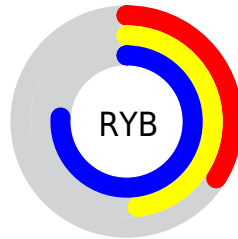
The Hex color **578EC3** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **C38C57**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **90C4FC**, and **145C8D** is the 20% darker color. If you saturate the color by 10%, you get **4384C3**, and if you desaturate by 10%, it is **6B98C3**.

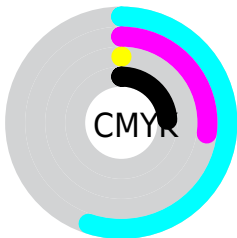
# Distribution



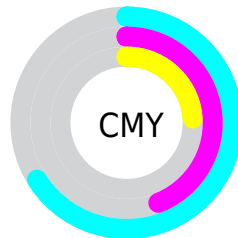
- Red (34%)
- Green (56%)
- Blue (76%)



- Red (34%)
- Yellow (48%)
- Blue (76%)



- Cyan (55%)
- Magenta (27%)
- Yellow (0%)
- Black (24%)



- Cyan (66%)
- Magenta (44%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 578EC3 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 578EC3 by changing the saturation by 10% instead.



■ 578EC3

■ 578EC3

FFFFFF

■ 3975A8

■ 90C4FC

■ 145C8D

■ ACDFFF

■ 004573

■ C9FCFF

■ 002F5A

■ E6FFFF

■ 001B43

■ 00032C

■ 000117

■ 000000

■ 578EC3

■ 578EC3

■ 4384C3

■ 6B98C3

■ 307BC3

■ 7EA1C3

■ 1C71C3

■ 92ABC3

■ 0968C3

■ A5B4C3

■ 0063C3

■ B9BEC3

■ CCC7C3

■ DFD1C3

■ F3DBC3

■ FFE4C3

# Harmonies

## Analogous

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



1D95B9



578EC3



8784BE

# Triad

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



578EC3



C27572



629668

# Complementary

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



578EC3



C38C57

# 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.



849054



578EC3



B77C5B

# Square

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



578EC3



BE738F



A18750



3A9984

# Rectangle

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



578EC3



A07DB3



A18750



6D9460

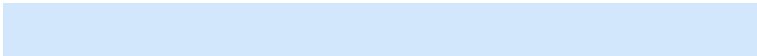


# Sweetspot

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



578EC3



D2E7FC



57C38B



667380



000000



808080



# Same Dimension

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



578EC3



56ABFC



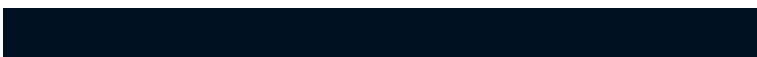
5759C3



575C61



0052A1



001121



# Inverse Universe

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



C3578E



FC56AB



C3C157



61575C



A10052

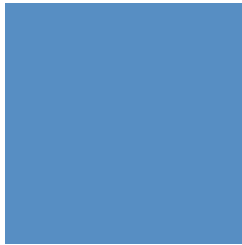


210011



# Previews

## White Background



This preview shows how the Hex color 578EC3 looks on a white background.

## Color Contrast Check

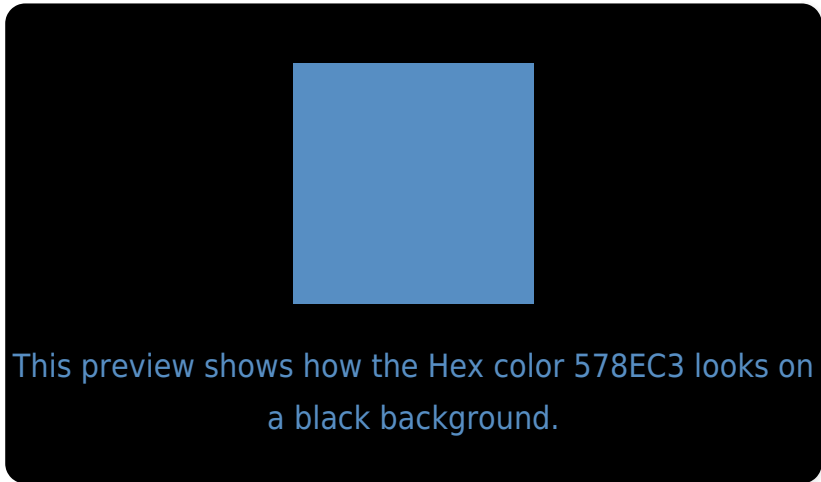
Large Text (above 18pt) WCAG AA ✓ Pass

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 578EC3 Background



This preview shows how black text looks on a background with the Hex color 578EC3.



This preview shows how white text looks on a background with the Hex color 578EC3.

# 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](#).

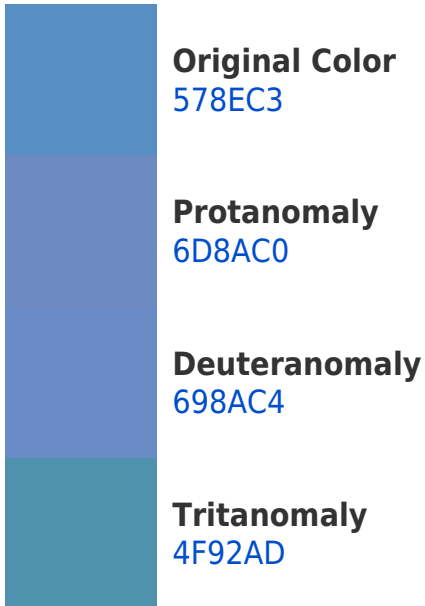
## Dichromacy





**Tritanopia**  
4A94A0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 578EC3 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 #578EC3 looks like.

```
.text, #text, p{  
    color:#578EC3  
}
```

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 #578EC3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #578EC3
}
```

## Border

The CSS property to change the border of an element to Hex 578EC3 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
#578EC3 }
```

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

```
.border{ border-color:#578EC3 }
```

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

Here you see how a box with a 4 pixel #578EC3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #578EC3; -webkit-box-shadow:4px 4px  
4px 4px #578EC3; box-shadow:4px 4px 4px  
4px #578EC3 }
```

# Background

The CSS property to change the background color of an element to Hex 578EC3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#578EC3 }
```

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

```
.background{ background-color:#578EC3 }
```

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