

# Converting Colors

Hex(57B0EC)

Have a look what the booklet for  
Hex(57B0EC) contains.

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**Color**

**Hex(57B0EC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57B0EC
RGB	87, 176, 236
RGB Percent	34%, 69%, 93%
CMY	0.6588, 0.3098, 0.0745
CMYK	0.63, 0.25, 0.00, 0.07
HSL	204°, 80%, 63%
HSV	204°, 63%, 93%
XYZ	34.5961, 39.1330, 85.0869
YIQ	156.2290, -72.3040, -0.2080

# Conversions

## Conversions Part 2

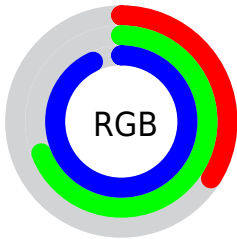
Format	Color
R <sub>Y</sub> B	87, 143, 236
Decimal	5746924
CIE Lab	68.85, -8.72, -37.93
CIE LCh	69, 38.919, 257.047
Yxy	39.1330, 0.2178, 0.2464
Android (android.graphics.Color)	4283937004 (0xFF57B0EC)
YUV	156.2290, 39.3271, -60.7138
Hunter-Lab	62.5564, -10.7562, -36.8546

# Details

The Hex color **57B0EC** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **EC9357**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **95E7FF**, and **007CB4** is the 20% darker color. If you saturate the color by 10%, you get **3FA6EC**, and if you desaturate by 10%, it is **6FBAEC**.

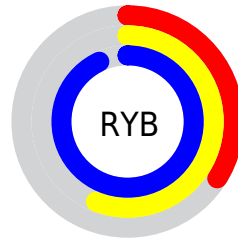
# Distribution



Red (34%)

Green (69%)

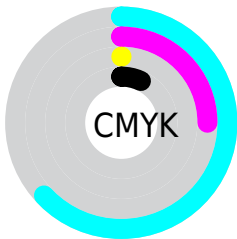
Blue (93%)



Red (34%)

Yellow (56%)

Blue (93%)

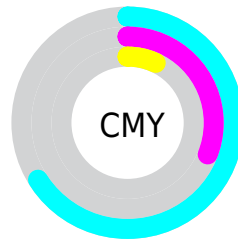


Cyan (63%)

Magenta (25%)

Yellow (0%)

Black (7%)



Cyan (66%)

Magenta (31%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 57B0EC 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 57B0EC by changing the saturation by 10% instead.



 57B0EC

 57B0EC

FFFFFF

 3395D0

 95E7FF

 007CB4

 B3FFFF

 006399

 D1FFFF

 004B7F

 EFFFFFF

 003565

 00204D

 000536

 000220

 000004

■ 57B0EC

■ 57B0EC

■ 3FA6EC

■ 6FBAEC

■ 289DEC

■ 86C3EC

■ 1093EC

■ 9ECDEC

■ 008DEC

■ B5D6EC

■ CDE0EC

■ E5E9EC

■ FCF3EC

■ FFFCEC

■ FFFFEC

# Harmonies

## Analogous

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



00B8DA



57B0EC



95A5EB

# Triad

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



57B0EC



ED8D95



83B577

# Complementary

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



57B0EC



EC9357

# 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.



ABAC63



57B0EC



E49576

# Square

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



57B0EC



E38EB9



CCA163



54BA97

# Rectangle

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



57B0EC



B79CE0



CCA163



91B26E

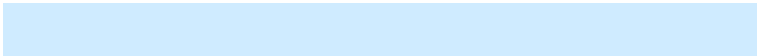


# Sweetspot

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



57B0EC



CFEBFF



57EC93



627480



000000



808080



# Same Dimension

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



57B0EC



3DB1FF



5766EC



6A7175



006CB5



002036



# Inverse Universe

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



EC57B0



FF3DB1



ECDD57



756A71



B5006C

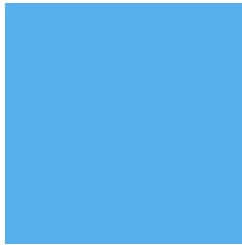


360020



# Previews

## White Background



This preview shows how the Hex color 57B0EC looks on a white background.

## Color Contrast Check

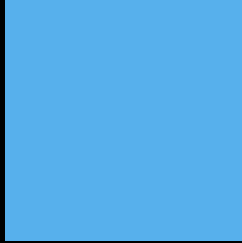
Large Text (above 18pt) WCAG AA × Fail

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 57B0EC looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

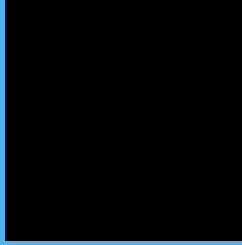
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

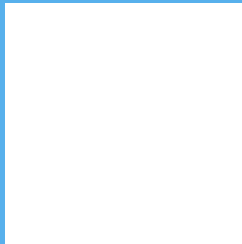
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 57B0EC Background



This preview shows how black text looks on a background with the Hex color 57B0EC.

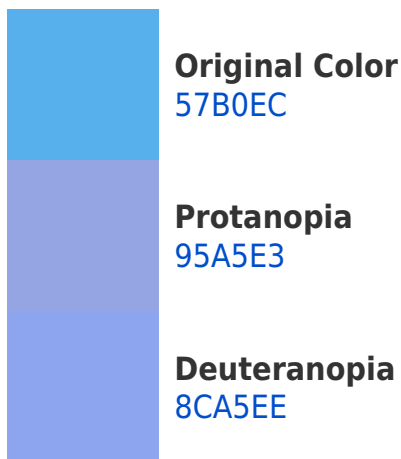


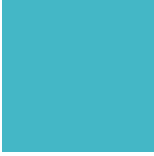
This preview shows how white text looks on a background with the Hex color 57B0EC.

# 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](#).

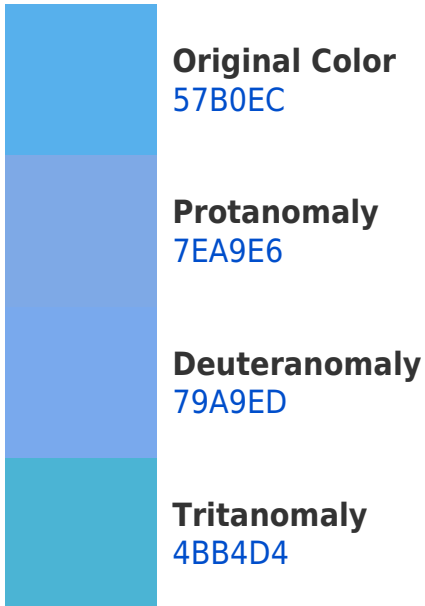
## Dichromacy



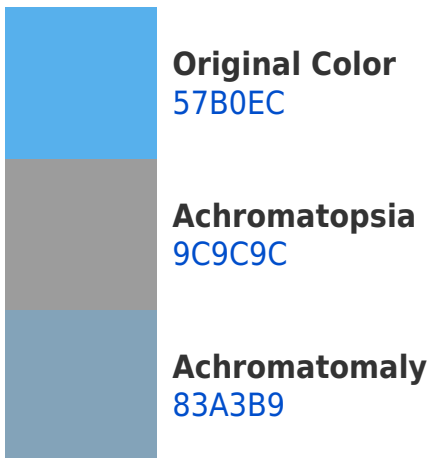


**Tritanopia**  
44B7C6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 57B0EC 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 #57B0EC looks like.

```
.text, #text, p{  
    color:#57B0EC  
}
```

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 #57B0EC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #57B0EC
}
```

## Border

The CSS property to change the border of an element to Hex 57B0EC 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
#57B0EC }
```

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

```
.border{ border-color:#57B0EC }
```

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

Here you see how a box with a 4 pixel #57B0EC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #57B0EC; -webkit-box-shadow:4px 4px  
4px 4px #57B0EC; box-shadow:4px 4px 4px  
4px #57B0EC }
```

# Background

The CSS property to change the background color of an element to Hex 57B0EC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#57B0EC }
```

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

```
.background{ background-color:#57B0EC }
```

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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