

# Converting Colors

Hex(5BB4F0)

Have a look what the booklet for  
Hex(5BB4F0) contains.

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# **Color**

**Hex(5BB4F0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BB4F0
RGB	91, 180, 240
RGB Percent	36%, 71%, 94%
CMY	0.6431, 0.2941, 0.0588
CMYK	0.62, 0.25, 0.00, 0.06
HSL	204°, 83%, 65%
HSV	204°, 62%, 94%
XYZ	36.3638, 41.1579, 88.4658
YIQ	160.2290, -72.3040, -0.2080

# Conversions

## Conversions Part 2

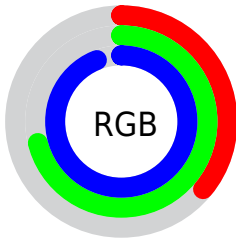
Format	Color
R <sub>Y</sub> B	91, 147, 240
Decimal	6010096
CIE Lab	70.29, -8.95, -37.85
CIE LCh	70, 38.897, 256.703
Yxy	41.1579, 0.2191, 0.2480
Android (android.graphics.Color)	4284200176 (0xFF5BB4F0)
YUV	160.2290, 39.3271, -60.7138
Hunter-Lab	64.1544, -11.0935, -36.8498

# Details

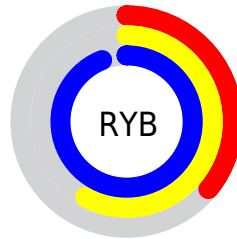
The Hex color **5BB4F0** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **F0975B**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **99ECFF**, and **007FB8** is the 20% darker color. If you saturate the color by 10%, you get **43AAF0**, and if you desaturate by 10%, it is **73BEF0**.

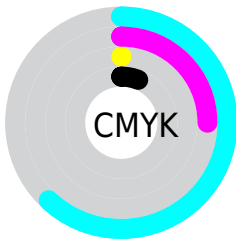
# Distribution



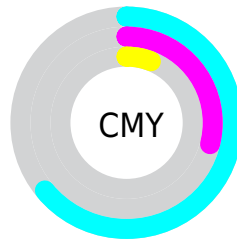
- Red (36%)
- Green (71%)
- Blue (94%)



- Red (36%)
- Yellow (58%)
- Blue (94%)



- Cyan (62%)
- Magenta (25%)
- Yellow (0%)
- Black (6%)



- Cyan (64%)
- Magenta (29%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5BB4F0 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 5BB4F0 by changing the saturation by 10% instead.



 5BB4F0

 5BB4F0

FFFFFF

 3899D4

 99ECFF

 007FB8

 B7FFFF

 00669D

 D5FFFF

 004F82

 F3FFFF

 003869

 002350

 000739

 000223

 000009

■ 5BB4F0

■ 5BB4F0

■ 43AAF0

■ 73BEF0

■ 2BA1F0

■ 8BC7F0

■ 1397F0

■ A3D1F0

■ 008FF0

■ BBDBF0

■ D3E4F0

■ EBEEF0

■ FFF8F0

■ FFFFF0

# Harmonies

## Analogous

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



0EBCDE



5BB4F0



98A8EF

# Triad

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



5BB4F0



F19199



87B97A

# Complementary

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



5BB4F0



F0975B

# 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.



AFB067



5BB4F0



E8987A

# Square

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



5BB4F0



E792BD



D1A467



59BE9A

# Rectangle

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



5BB4F0



BAA0E5



D1A467



95B672

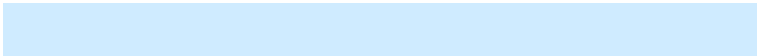


# Sweetspot

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



5BB4F0



CFEBFF



5BF097



627480



000000



808080



# Same Dimension

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



5BB4F0



40B2FF



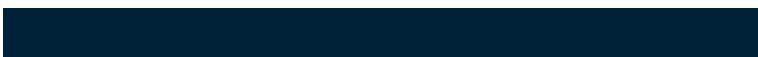
5B6AF0



6C7378



006EB8



002238



# Inverse Universe

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



F05BB4



FF40B2



F0E15B



786C73



B8006E



380022



# Previews

## White Background



This preview shows how the Hex color 5BB4F0 looks on a white background.

## Color Contrast Check

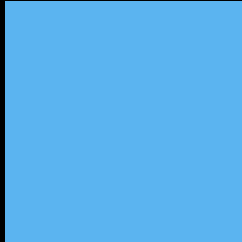
Large Text (above 18pt) WCAG AA × Fail

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 5BB4F0 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

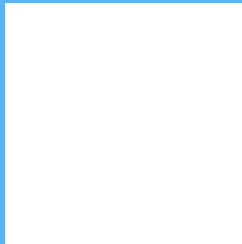
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 5BB4F0 Background



This preview shows how black text looks on a background with the Hex color 5BB4F0.

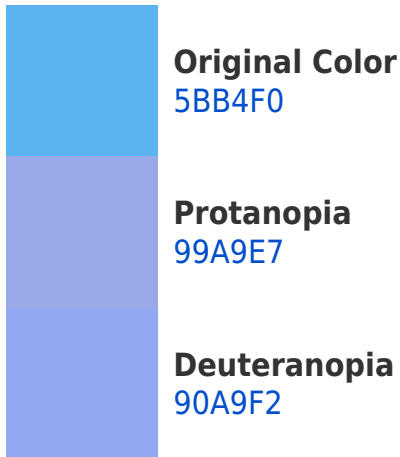


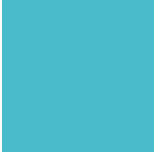
This preview shows how white text looks on a background with the Hex color 5BB4F0.

# 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](#).

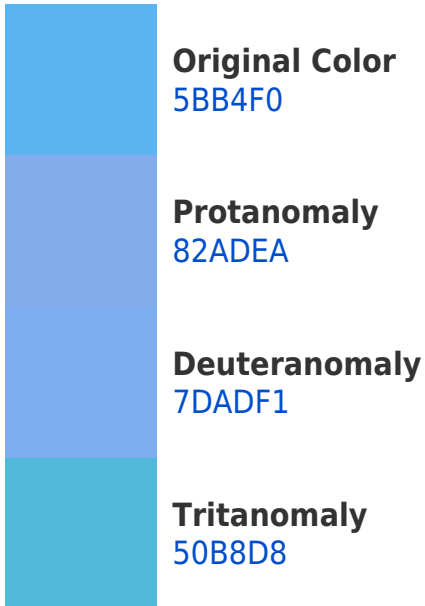
## Dichromacy



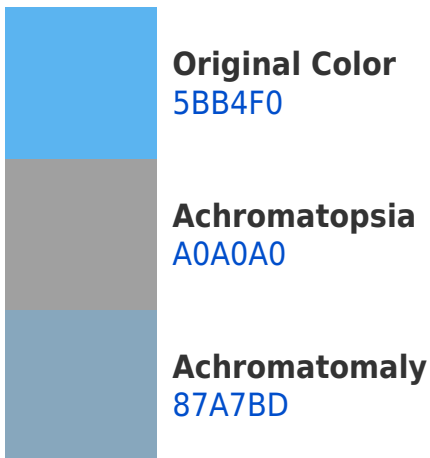


**Tritanopia**  
49BBCA

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5BB4F0 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 #5BB4F0 looks like.

```
.text, #text, p{  
    color:#5BB4F0  
}
```

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 #5BB4F0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5BB4F0
}
```

## Border

The CSS property to change the border of an element to Hex 5BB4F0 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
#5BB4F0 }
```

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

```
.border{ border-color:#5BB4F0 }
```

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

Here you see how a box with a 4 pixel #5BB4F0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5BB4F0; -webkit-box-shadow:4px 4px  
4px 4px #5BB4F0; box-shadow:4px 4px 4px  
4px #5BB4F0 }
```

# Background

The CSS property to change the background color of an element to Hex 5BB4F0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5BB4F0 }
```

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

```
.background{ background-color:#5BB4F0 }
```

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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