

# Converting Colors

Hex(80CAF4)

Have a look what the booklet for  
Hex(80CAF4) contains.

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# **Color**

**Hex(80CAF4)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 80CAF4                      |
| RGB         | 128, 202, 244               |
| RGB Percent | 50%, 79%, 96%               |
| CMY         | 0.4980, 0.2078, 0.0431      |
| CMYK        | 0.48, 0.17, 0.00, 0.04      |
| HSL         | 202°, 84%, 73%              |
| HSV         | 202°, 48%, 96%              |
| XYZ         | 46.3518, 53.3619, 93.4448   |
| YIQ         | 184.6620, -57.5860, -2.6260 |

# Conversions

## Conversions Part 2

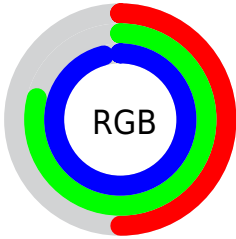
| <b>Format</b>                       | <b>Color</b>                                    |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">128, 173, 244</a>                   |
| Decimal                             | <a href="#">8440564</a>                         |
| CIELab                              | <a href="#">78.09, -11.99, -27.84</a>           |
| CIElCh                              | <a href="#">78, 30.313, 246.698</a>             |
| Yxy                                 | <a href="#">53.3619, 0.2400,<br/>0.2763</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4286630644<br/>(0xFF80CAF4)</a>     |
| YUV                                 | <a href="#">184.6620, 29.2536,<br/>-49.6926</a> |
| Hunter-Lab                          | <a href="#">73.0492, -14.5730,<br/>-24.7095</a> |

# Details

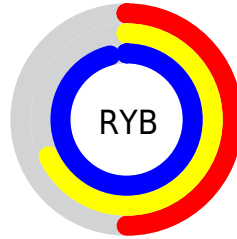
The Hex color **80CAF4** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **F4AA80**, and the grayscale version is **B8B8B8**.

A 20% lighter version of the original color is **BAFFFF**, and **4594BC** is the 20% darker color. If you saturate the color by 10%, you get **68C1F4**, and if you desaturate by 10%, it is **98D3F4**.

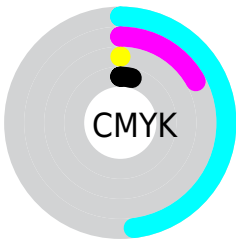
# Distribution



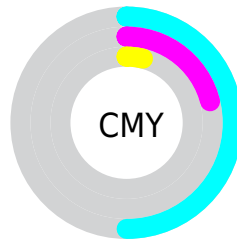
- Red (50%)
- Green (79%)
- Blue (96%)



- Red (50%)
- Yellow (68%)
- Blue (96%)



- Cyan (48%)
- Magenta (17%)
- Yellow (0%)
- Black (4%)



- Cyan (50%)
- Magenta (21%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80CAF4 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 80CAF4 by changing the saturation by 10% instead.



 80CAF4

 80CAF4

FFFFFF

 63AFD7

 BAFFFF

 4594BC

 D7FFFF

 227AA1

 F5FFFF

 006186

 004A6D

 003354

 001E3D

 000327

 000111

 80CAF4

 80CAF4

 68C1F4

 98D3F4

 4FB8F4

 B1DCF4

 37AFF4

 C9E5F4

 1EA7F4

 E2EDF4

 069EF4

 FAF6F4

 009CF4

 FFFFF4

# Harmonies

## Analogous

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



6BCFE2



80CAF4



A7C2F9

# Triad

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



80CAF4



F9ACBC



B0C993

# Complementary

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



80CAF4



F4AA80

# 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.



CFC189



80CAF4



F7B0A1

# Square

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



80CAF4



EBAFD8



E8B88E



90CFAA

# Rectangle

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



80CAF4



C1BBF3



E8B88E



BBC78E

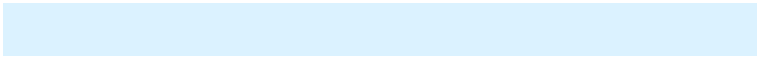


# Sweetspot

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



80CAF4



DBF2FF



80F4A9



6A7880



000000



808080

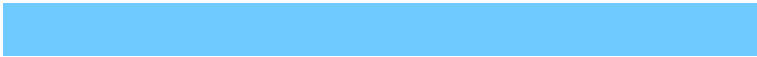


# Same Dimension

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



80CAF4



6ECAFF



8091F4



6E767A



0077BA



00253B



# Inverse Universe

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



F480CA



FF6ECA



F4E380



7A6E76



BA0077

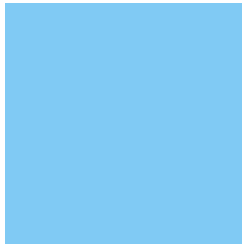


3B0025



# Previews

## White Background



This preview shows how the Hex color 80CAF4 looks on a white background.

## Color Contrast Check

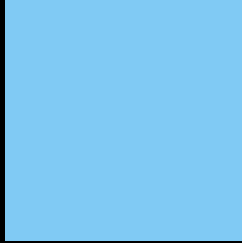
Large Text (above 18pt) WCAG AA × Fail

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 80CAF4 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

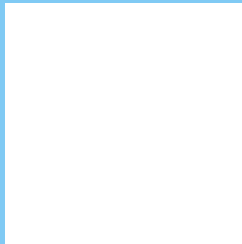
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 80CAF4 Background



This preview shows how black text looks on a background with the Hex color 80CAF4.



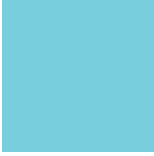
This preview shows how white text looks on a background with the Hex color 80CAF4.

# Color Blindness Simulation

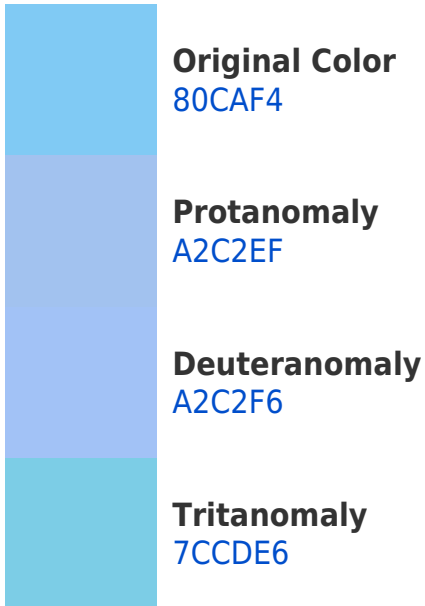
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

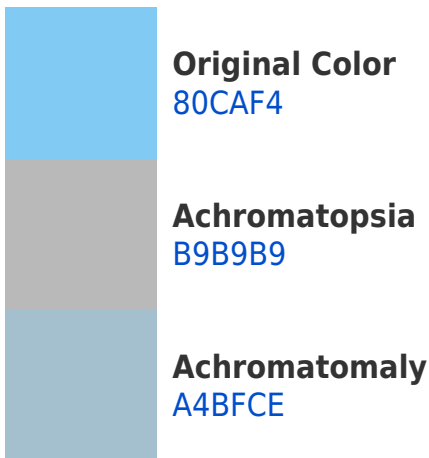




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80CAF4 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 #80CAF4 looks like.

```
.text, #text, p{  
    color:#80CAF4  
}
```

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 #80CAF4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80CAF4  
}
```

## Border

The CSS property to change the border of an element to Hex 80CAF4 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  
#80CAF4 }
```

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

```
.border{ border-color:#80CAF4 }
```

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

Here you see how a box with a 4 pixel #80CAF4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80CAF4; -webkit-box-shadow:4px 4px  
4px 4px #80CAF4; box-shadow:4px 4px 4px  
4px #80CAF4 }
```

# Background

The CSS property to change the background color of an element to Hex 80CAF4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80CAF4 }
```

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

```
.background{ background-color:#80CAF4 }
```

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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