

# Converting Colors

Hex(80EEFF)

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

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# **Color**

**Hex(80EEFF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80EEFF
RGB	128, 238, 255
RGB Percent	50%, 93%, 100%
CMY	0.4980, 0.0667, 0.0000
CMYK	0.50, 0.07, 0.00, 0.00
HSL	188°, 100%, 75%
HSV	188°, 50%, 100%
XYZ	57.5266, 72.9583, 105.6581
YIQ	207.0480, -71.0170, -18.0330

# Conversions

## Conversions Part 2

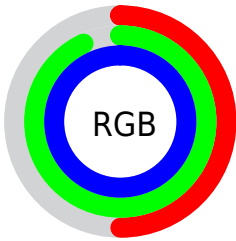
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 187, 255
Decimal	8449791
CIE <sub>Lab</sub>	88.43, -27.18, -17.96
CIE <sub>LCh</sub>	88, 32.575, 213.454
Yxy	72.9583, 0.2436, 0.3090
Android (android.graphics.Color)	4286639871 (0xFF80EEFF)
YUV	207.0480, 23.6403, -69.3251
Hunter-Lab	85.4156, -29.2592, -13.5501

# Details

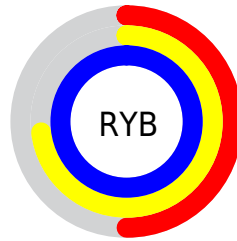
The Hex color **80EEFF** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **FF9180**, and the grayscale version is **CFCFCF**.

A 20% lighter version of the original color is **BCFFFF**, and **40B6C6** is the 20% darker color. If you saturate the color by 10%, you get **67EBFF**, and if you desaturate by 10%, it is **9AF1FF**.

# Distribution



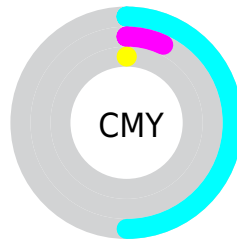
- Red (50%)
- Green (93%)
- Blue (100%)



- Red (50%)
- Yellow (73%)
- Blue (100%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

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



 80EEFF

FFFFFF

 BCFFFF

 DAFFFF

 F8FFFF

 80EEFF

 61D2E2

 40B6C6

 109BAB

 008090

 006777

 004F5E

 003746

 002330

 00011C

 80EEFF

 80EEFF

 67EBFF

 9AF1FF

 4DE7FF

 B3F5FF

 33E4FF

 CDF8FF

 1AE0FF

 E6FCFF

 00DDFF

 FFFFFFFF

# Harmonies

## Analogous

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



8CFE1



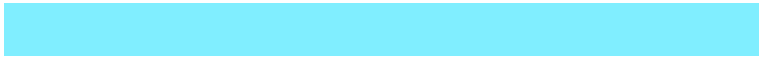
80EEFF



93E9FF

# Triad

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



80EEFF



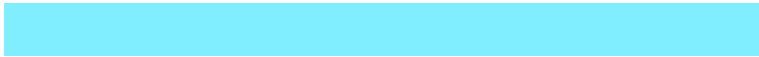
FFCBFA



F1DDA0

# Complementary

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



80EEFF



FF9180

# 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.



FFD3A7



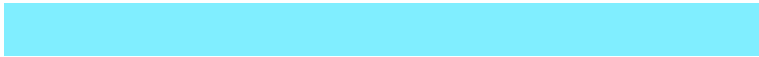
80EEFF



FFC7DB

# Square

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



80EEFF



E7D5FF



FFCABD



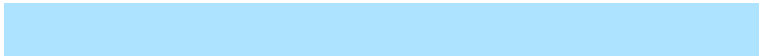
CFE6A9

# Rectangle

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



80EEFF



ADE3FF



FFCABD



FBDAA1

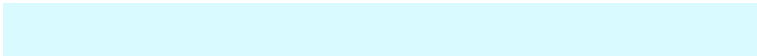


# Sweetspot

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



80EEFF



D9FAFF



80FF91



697C80



000000



808080



# Same Dimension

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



80EEFF



66EBFF



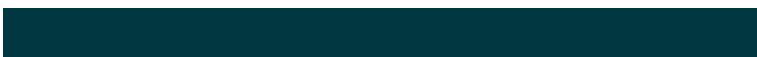
80AFFF



737E80



00A6BF



003740



# Inverse Universe

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



FF80EE



FF66EB



FFD080



80737E



BF00A6

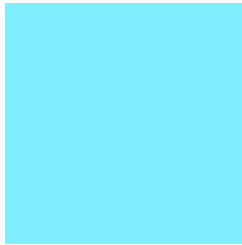


400037



# Previews

## White Background



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

## Color Contrast Check

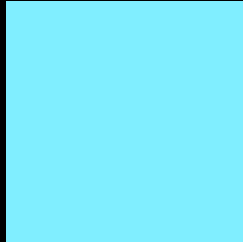
Large Text (above 18pt) WCAG AA × Fail

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 80EEFF 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 80EEFF Background



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

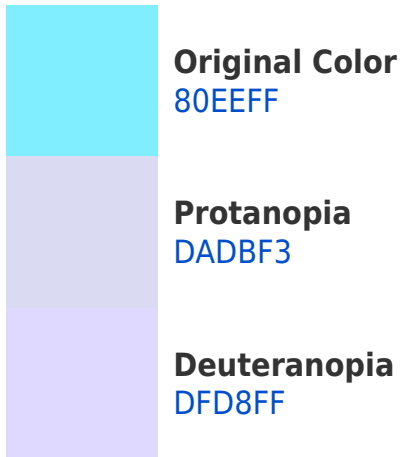


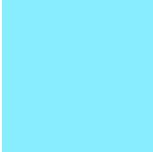
This preview shows how white text looks on a background with the Hex color 80EEFF.

# 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](#).

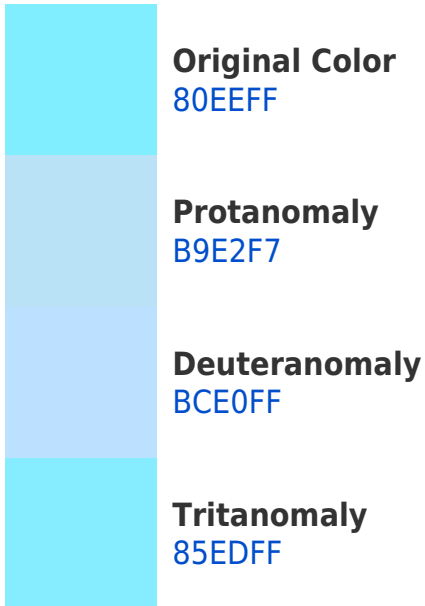
## Dichromacy



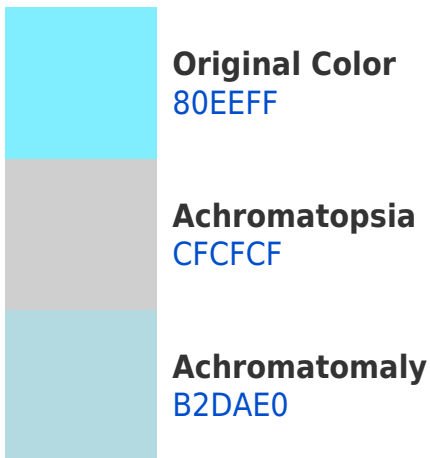


**Tritanopia**  
88EDFF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #80EEFF colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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