

# Converting Colors

Hex(80EBFE)

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

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# **Color**

**Hex(80EBFE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80EBFE
RGB	128, 235, 254
RGB Percent	50%, 92%, 100%
CMY	0.4980, 0.0784, 0.0039
CMYK	0.50, 0.07, 0.00, 0.00
HSL	189°, 98%, 75%
HSV	189°, 50%, 100%
XYZ	56.4998, 71.1616, 104.5236
YIQ	205.1730, -69.8710, -16.7750

# Conversions

## Conversions Part 2

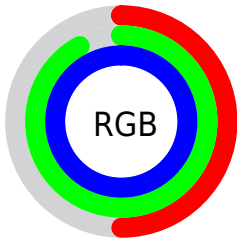
Format	Color
R <sub>Y</sub> B	128, 186, 254
Decimal	8449022
CIE Lab	87.56, -25.98, -18.74
CIE LCh	88, 32.035, 215.794
Yxy	71.1616, 0.2433, 0.3065
Android (android.graphics.Color)	4286639102 (0xFF80EBFE)
YUV	205.1730, 24.0717, -67.6807
Hunter-Lab	84.3573, -28.0718, -14.4136

# Details

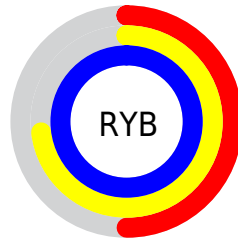
The Hex color **80EBFE** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **FE9380**, and the grayscale version is **CDCDCD**.

A 20% lighter version of the original color is **BCFFFF**, and **41B3C5** is the 20% darker color. If you saturate the color by 10%, you get **67E7FE**, and if you desaturate by 10%, it is **99EFFE**.

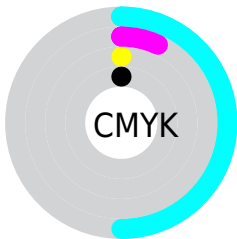
# Distribution



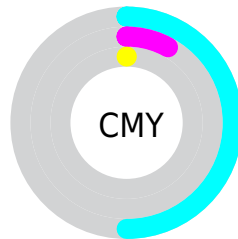
- Red (50%)
- Green (92%)
- Blue (100%)



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



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



- Cyan (50%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

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



 80EBFE

FFFFFF

 BCFFFF

 DAFFFF

 F8FFFF

 80EBFE

 61CFE1

 41B3C5

 1398AA

 007E90

 006576

 004C5D

 003546

 00212F

 00011B

 80EBFE

 80EBFE

 67E7FE

 99E7FE

 4DE3FE


 B3F3FE

 34E0FE

 CCF6FE

 1ADCFE

 E6FAFE

 01D8FE

FFFEFE

 00D8FE

FFFFFFE

# Harmonies

## Analogous

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



8AEDE1



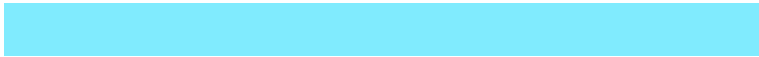
80EBFE



95E5FF

# Triad

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



80EBFE



FFC9F5



ECDB9F

# Complementary

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



80EBFE



FE9380

# 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.



FFD1A5



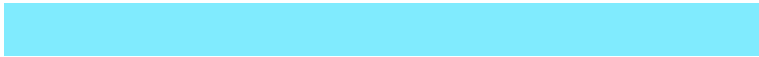
80EBFE



FFC5D7

# Square

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



80EBFE



E8D2FF



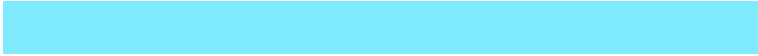
FFC9B9



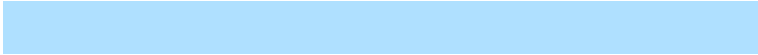
CAE4A9

# Rectangle

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



80EBFE



AFE0FF



FFC9B9



F6D89F



# Sweetspot

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



80EBFE



D9F9FF



80FE93



697C80



000000

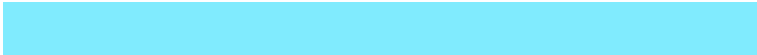


808080

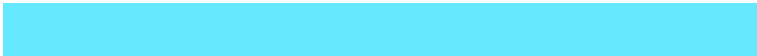


# Same Dimension

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



80EBFE



66E8FF



80ACFE



737E80



00A2BF



003640



# Inverse Universe

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



FE80EB



FF66E8



FED280



80737E



BF00A2

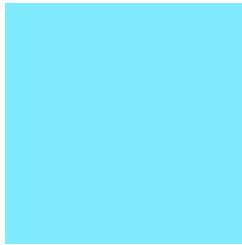


400036



# Previews

## White Background



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

## Color Contrast Check

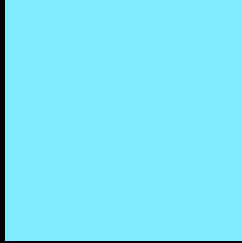
Large Text (above 18pt) WCAG AA × Fail

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 80EBFE 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 80EBFE Background



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

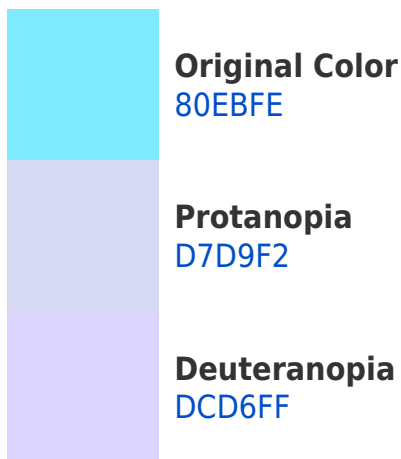


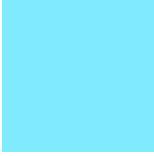
This preview shows how white text looks on a background with the Hex color 80EBFE.

# 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](#).

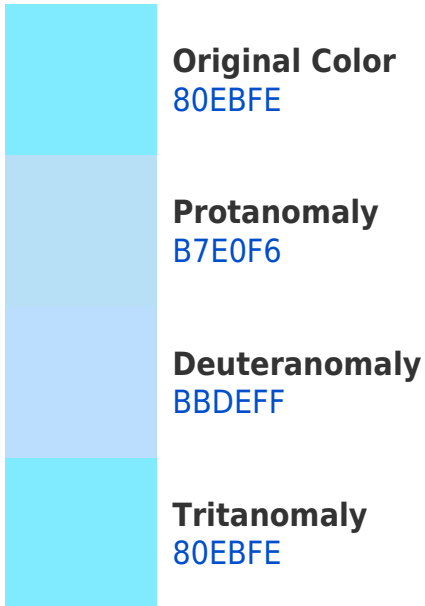
## Dichromacy



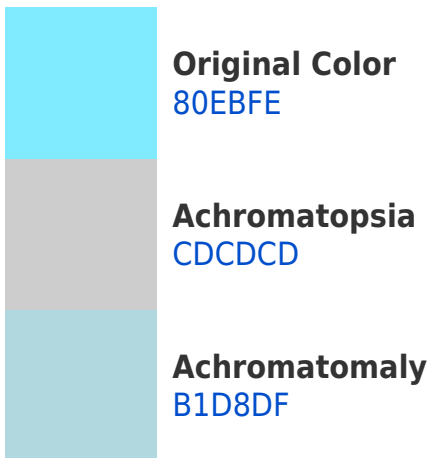


**Tritanopia**  
80EBFE

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #80EBFE colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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