

# Converting Colors

Hex(80B8FF)

Have a look what the booklet for  
Hex(80B8FF) contains.

<b>Hex(80B8FF)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(80B8FF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80B8FF
RGB	128, 184, 255
RGB Percent	50%, 72%, 100%
CMY	0.4980, 0.2784, 0.0000
CMYK	0.50, 0.28, 0.00, 0.00
HSL	214°, 100%, 75%
HSV	214°, 50%, 100%
XYZ	44.0926, 46.0902, 101.1801
YIQ	175.3500, -56.1670, 10.2090

# Conversions

## Conversions Part 2

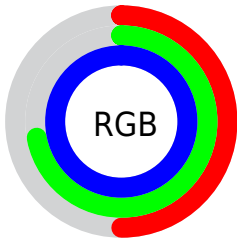
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 167, 255
Decimal	8435967
CIE <sub>Lab</sub>	73.60, 0.84, -40.68
CIE <sub>LCh</sub>	74, 40.687, 271.178
Yxy	46.0902, 0.2304, 0.2409
Android (android.graphics.Color)	4286626047 (0xFF80B8FF)
YUV	175.3500, 39.2675, -41.5259
Hunter-Lab	67.8897, -2.8761, -40.8406

# Details

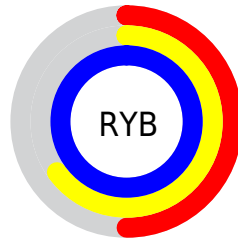
The Hex color **80B8FF** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **FFC780**, and the grayscale version is **AFAFAF**.

A 20% lighter version of the original color is **BAF0FF**, and **4483C6** is the 20% darker color. If you saturate the color by 10%, you get **67AAFF**, and if you desaturate by 10%, it is **9AC6FF**.

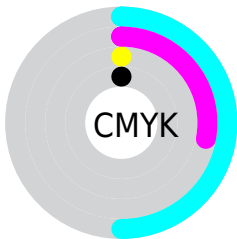
# Distribution



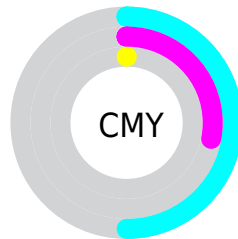
- Red (50%)
- Green (72%)
- Blue (100%)



- Red (50%)
- Yellow (65%)
- Blue (100%)



- Cyan (50%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (28%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80B8FF 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 80B8FF by changing the saturation by 10% instead.



 80B8FF

 80B8FF

FFFFFF

 639DE2

 BAF0FF

 4483C6

 D8FFFF

 1E6AAA

 F6FFFF

 005290

 003C76

 00275D

 001245

 00032E

 000118

 80B8FF

 80B8FF

 67AAFF

 9AC6FF

 4D9BFF

 B3D5FF

 338DFF

 CDE3FF

 1A7FFF

 E6F1FF

 0071FF

FFFFFF

 0070FF

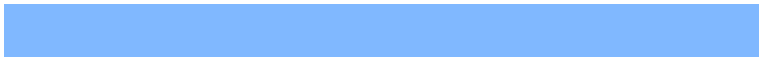
# Harmonies

## Analogous

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



38C2F5



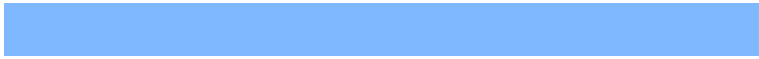
80B8FF



BBABF5

# Triad

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



80B8FF



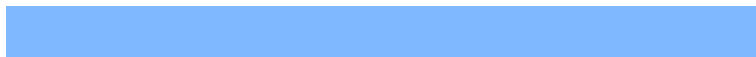
FC9B90



78C590

# Complementary

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



80B8FF



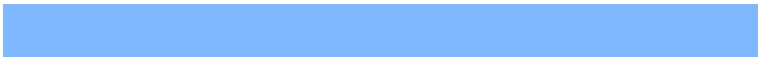
FFC780

# 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.



A5BE74



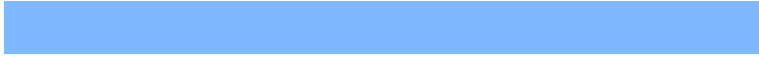
80B8FF



EAA674

# Square

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



80B8FF



FB98B5



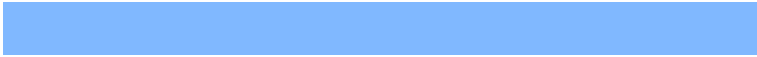
CCB369



42C9B5

# Rectangle

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



80B8FF



D9A2E4



CCB369

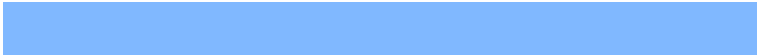


87C385

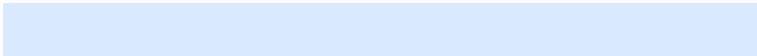


# Sweetspot

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



80B8FF



D9EAFF



80FFC6



697380



000000

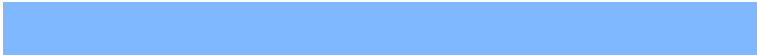


808080

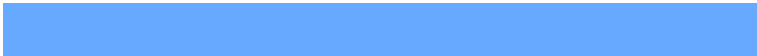


# Same Dimension

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



80B8FF



66A9FF



8680FF



737880



0054BF



001C40



# Inverse Universe

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



FF80B8



FF66A9



F9FF80



807378



BF0054

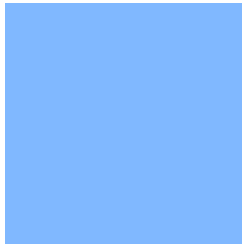


40001C



# Previews

## White Background



This preview shows how the Hex color 80B8FF looks on a white background.

## Color Contrast Check

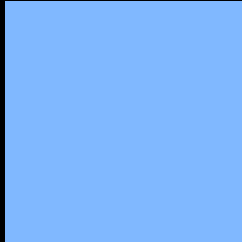
Large Text (above 18pt) WCAG AA × Fail

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 80B8FF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

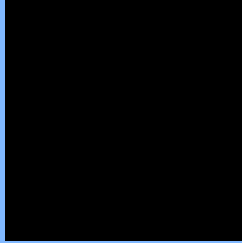
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

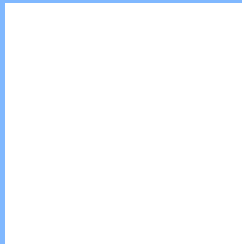
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 80B8FF Background



This preview shows how black text looks on a background with the Hex color 80B8FF.



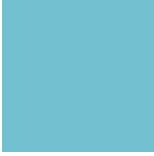
This preview shows how white text looks on a background with the Hex color 80B8FF.

# 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](#).

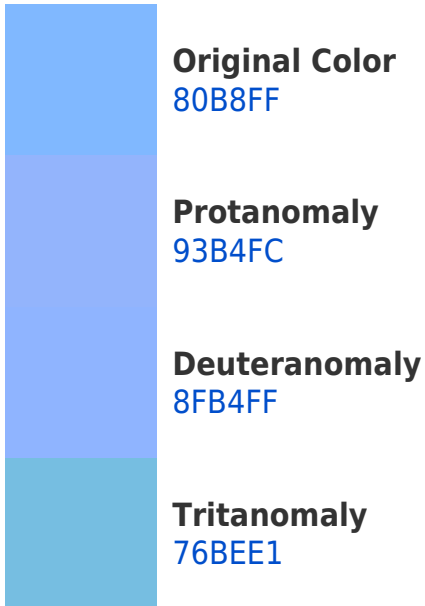
## Dichromacy



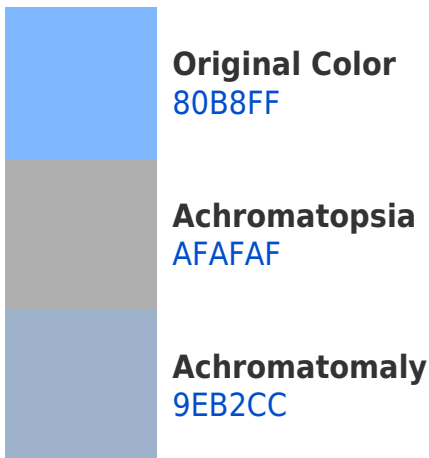


**Tritanopia**  
71C1D0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80B8FF 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 #80B8FF looks like.

```
.text, #text, p{  
    color:#80B8FF  
}
```

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 #80B8FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80B8FF
}
```

## Border

The CSS property to change the border of an element to Hex 80B8FF 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
#80B8FF }
```

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

```
.border{ border-color:#80B8FF }
```

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

Here you see how a box with a 4 pixel #80B8FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80B8FF; -webkit-box-shadow:4px 4px  
4px 4px #80B8FF; box-shadow:4px 4px 4px  
4px #80B8FF }
```

# Background

The CSS property to change the background color of an element to Hex 80B8FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80B8FF }
```

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

```
.background{ background-color:#80B8FF }
```

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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