

# Converting Colors

Hex(80D4FF)

Have a look what the booklet for  
Hex(80D4FF) contains.

<b>Hex(80D4FF)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Hex(80D4FF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80D4FF
RGB	128, 212, 255
RGB Percent	50%, 83%, 100%
CMY	0.4980, 0.1686, 0.0000
CMYK	0.50, 0.17, 0.00, 0.00
HSL	200°, 100%, 75%
HSV	200°, 50%, 100%
XYZ	50.4956, 58.8962, 103.3144
YIQ	191.7860, -63.8670, -4.4350

# Conversions

## Conversions Part 2

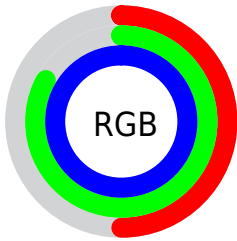
Format	Color
R <sub>Y</sub> B	128, 179, 255
Decimal	8443135
CIE Lab	81.23, -14.16, -28.88
CIE LCh	81, 32.168, 243.889
Yxy	58.8962, 0.2374, 0.2769
Android (android.graphics.Color)	4286633215 (0xFF80D4FF)
YUV	191.7860, 31.1645, -55.9403
Hunter-Lab	76.7438, -16.8531, -26.0970

# Details

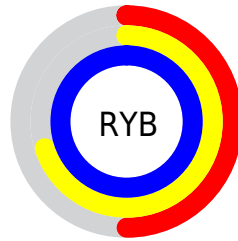
The Hex color **80D4FF** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **FFAB80**, and the grayscale version is **C0C0C0**.

A 20% lighter version of the original color is **BBFFFF**, and **439DC6** is the 20% darker color. If you saturate the color by 10%, you get **67CBFF**, and if you desaturate by 10%, it is **9ADDFE**.

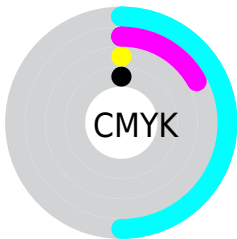
# Distribution



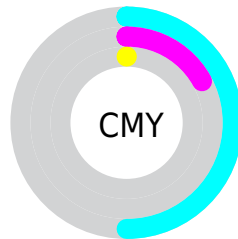
- Red (50%)
- Green (83%)
- Blue (100%)



- Red (50%)
- Yellow (70%)
- Blue (100%)



- Cyan (50%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (17%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80D4FF 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 80D4FF by changing the saturation by 10% instead.



 80D4FF

 80D4FF

FFFFFF

 62B8E2

 BBFFFF

 439DC6

 D9FFFF

 1B83AB

 F7FFFF

 006A90

 005276

 003B5D

 002546

 000C2F

 00011A

 80D4FF

 80D4FF

 67CBFF

 9ADDFD

 4DC3FF

 B3E5FF

 33BAFF

 CDEEFF

 1AB1FF

 E6F7FF

 00A9FF

 FFFFFFF

# Harmonies

## Analogous

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



6CD9EA



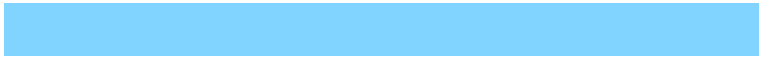
80D4FF



A9CBFF

# Triad

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



80D4FF



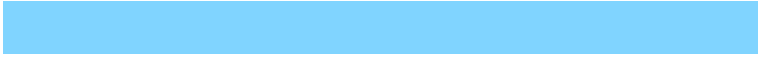
FFB4C7



BBD297

# Complementary

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



80D4FF



FFAB80

# 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.



DBC98E



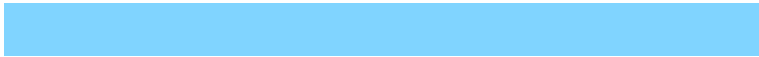
80D4FF



FFB7AA

# Square

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



80D4FF



F4B7E5



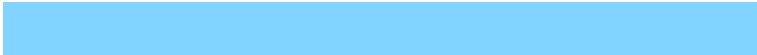
F6BF95



98D8AE

# Rectangle

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



80D4FF



C6C4FF



F6BF95

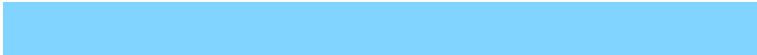


C6CF92



# Sweetspot

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



80D4FF



D9F2FF



80FFAA



697880



000000

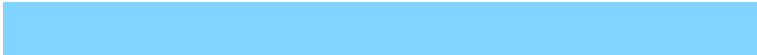


808080



# Same Dimension

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



80D4FF



66CBFF



8095FF



737B80



007EBF



002A40



# Inverse Universe

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



FF80D4



FF66CB



FFEA80



80737B



BF007E

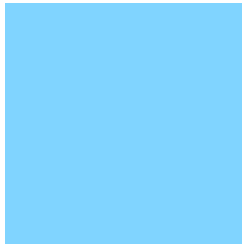


40002A



# Previews

## White Background



This preview shows how the Hex color 80D4FF looks on a white background.

## Color Contrast Check

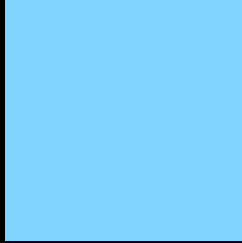
Large Text (above 18pt) WCAG AA × Fail

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 80D4FF 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

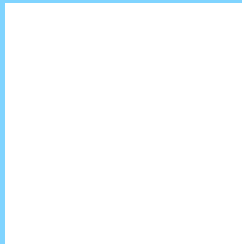
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 80D4FF Background



This preview shows how black text looks on a background with the Hex color 80D4FF.

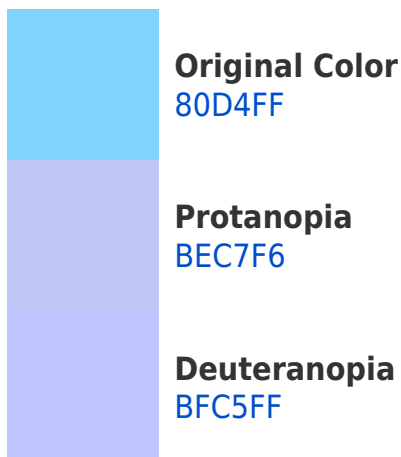


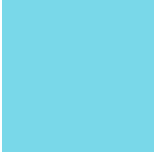
This preview shows how white text looks on a background with the Hex color 80D4FF.

# 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](#).

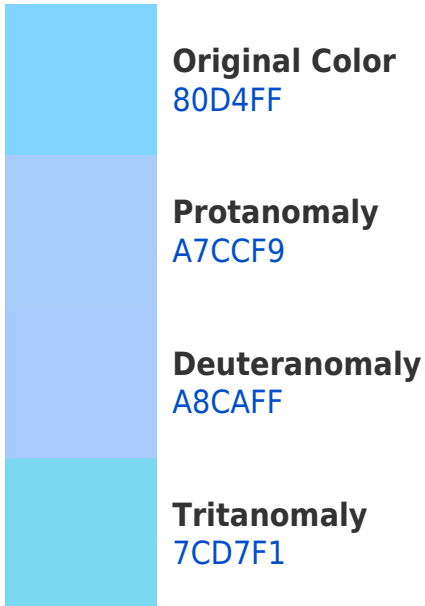
## Dichromacy



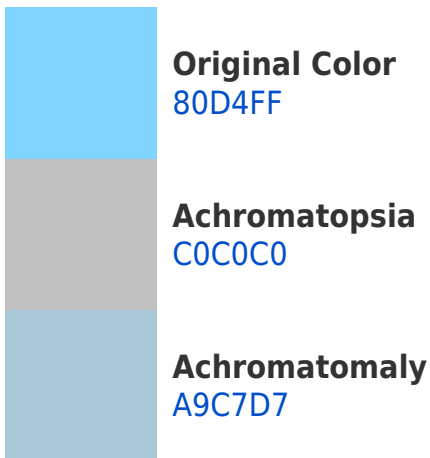


**Tritanopia**  
79D8E9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80D4FF 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 #80D4FF looks like.

```
.text, #text, p{  
    color:#80D4FF  
}
```

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 #80D4FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80D4FF  
}
```

## Border

The CSS property to change the border of an element to Hex 80D4FF 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  
#80D4FF }
```

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

```
.border{ border-color:#80D4FF }
```

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

Here you see how a box with a 4 pixel #80D4FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80D4FF; -webkit-box-shadow:4px 4px  
4px 4px #80D4FF; box-shadow:4px 4px 4px  
4px #80D4FF }
```

# Background

The CSS property to change the background color of an element to Hex 80D4FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80D4FF }
```

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

```
.background{ background-color:#80D4FF }
```

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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