

# Converting Colors

Hex(80FF00)

Have a look what the booklet for  
Hex(80FF00) contains.

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**Color**

**Hex(80FF00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80FF00
RGB	128, 255, 0
RGB Percent	50%, 100%, 0%
CMY	0.4980, 0.0000, 1.0000
CMYK	0.50, 0.00, 1.00, 0.00
HSL	90°, 100%, 50%
HSV	90°, 100%, 100%
XYZ	44.6621, 76.1092, 12.3366
YIQ	187.9570, 6.1630, -106.2290

# Conversions

## Conversions Part 2

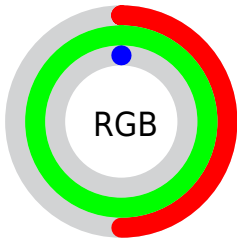
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 255, 127
Decimal	8453888
CIELab	89.91, -67.79, 85.83
CIElCh	90, 109.368, 128.303
Yxy	76.1092, 0.3355, 0.5718
Android (android.graphics.Color)	4286643968 (0xFF80FF00)
YUV	187.9570, -92.6628, -52.5823
Hunter-Lab	87.2406, -61.2894, 52.6843

# Details

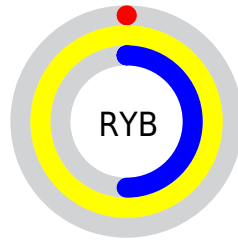
The Hex color **80FF00** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **7F00FF**, and the grayscale version is **BDBDBD**.

A 20% lighter version of the original color is **BFFF5D**, and **39C500** is the 20% darker color. If you saturate the color by 10%, you get **80FF00**, and if you desaturate by 10%, it is **8DFF19**.

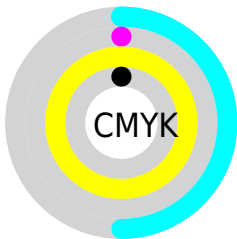
# Distribution



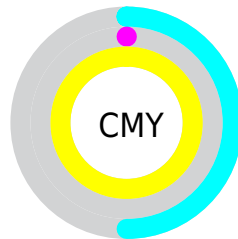
- Red (50%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (50%)



- Cyan (50%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)



- Cyan (50%)
- Magenta (0%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80FF00 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 80FF00 by changing the saturation by 10% instead.



 80FF00	 80FF00
 FFFFFFFF	 5FE200
 BFFF5D	 39C500
 DEFF7C	 00A900
 FDFF9A	 008E00
 FFFF88	 007300
 FFFFD6	 005900
 FFFFF4	 004000
	 002800
	 000000

 80FF00

 8DFF19

 99FF33

 A6FF4D

 B3FF66

 C0FF80

 CCFF99

 D9FFB3

 E6FFCC

 F2FFE6

# Harmonies

## Analogous

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



F5E700



80FF00



00FF90

# Triad

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



80FF00



00FFFF



FF64CA

# Complementary

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



80FF00



7F00FF

# 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.



FF7EFF



80FF00



00E6FF

# Square

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



80FF00



00FFFF



FFB7FF



FF8C65

# Rectangle

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



80FF00



00FFD9



FFB7FF



FF65ED

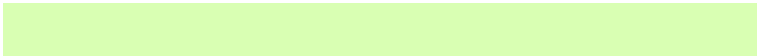


# Sweetspot

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



80FF00



D9FFB3



FF7B00



698052



000000



808080



# Same Dimension

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



80FF00



04FF00



798073



60BF00



204000

# Inverse Universe

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



7F00FF



FB00FF



797380



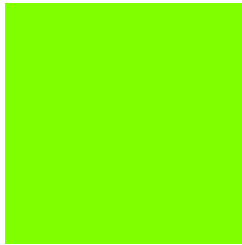
5F00BF



200040

# Previews

## White Background



This preview shows how the Hex color 80FF00 looks on a white background.

## Color Contrast Check

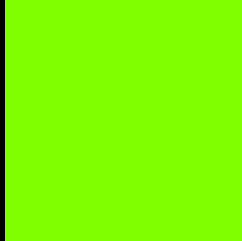
Large Text (above 18pt) WCAG AA × Fail

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 80FF00 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

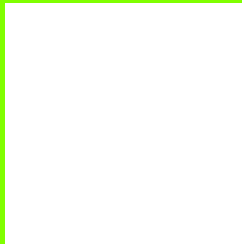
Any Text WCAG AAA ✓ Pass

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

## Hex 80FF00 Background



This preview shows how black text looks on a background with the Hex color 80FF00.

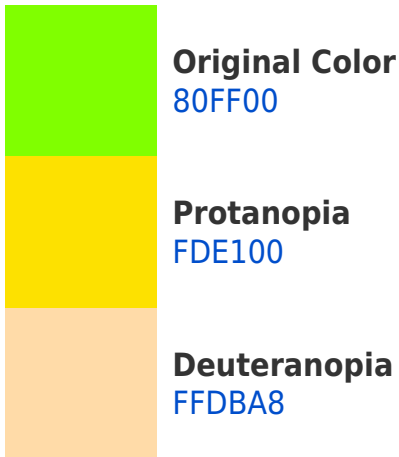


This preview shows how white text looks on a background with the Hex color 80FF00.

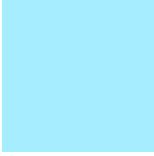
# Color Blindness Simulation

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

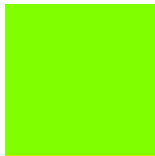






**Tritanopia**  
A5EDFF

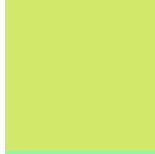
# Trichromacy



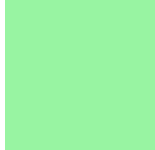
**Original Color**  
80FF00



**Protanomaly**  
D0EC00



**Deuteranomaly**  
D1E86B

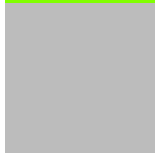


**Tritanomaly**  
98F4A2

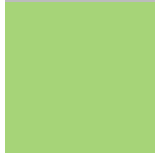
# Monochromacy



**Original Color**  
80FF00



**Achromatopsia**  
BCBCBC



**Achromatomaly**  
A6D478

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80FF00 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 #80FF00 looks like.

```
.text, #text, p{  
    color:#80FF00  
}
```

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 #80FF00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80FF00
}
```

## Border

The CSS property to change the border of an element to Hex 80FF00 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
#80FF00 }
```

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

```
.border{ border-color:#80FF00 }
```

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

Here you see how a box with a 4 pixel #80FF00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80FF00; -webkit-box-shadow:4px 4px  
4px 4px #80FF00; box-shadow:4px 4px 4px  
4px #80FF00 }
```

# Background

The CSS property to change the background color of an element to Hex 80FF00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80FF00 }
```

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

```
.background{ background-color:#80FF00 }
```

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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