

# Converting Colors

Hex(1FFA00)

Have a look what the booklet for  
Hex(1FFA00) contains.

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**Color**

**Hex(1FFA00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1FFA00
RGB	31, 250, 0
RGB Percent	12%, 98%, 0%
CMY	0.8784, 0.0196, 1.0000
CMYK	0.88, 0.00, 1.00, 0.02
HSL	113°, 100%, 49%
HSV	113°, 100%, 98%
XYZ	34.7507, 68.6625, 11.4216
YIQ	156.0190, -50.2740, -124.1780

# Conversions

## Conversions Part 2

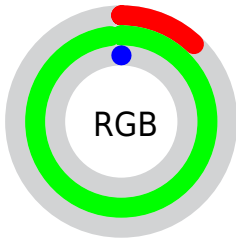
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 250, 219
Decimal	2095616
CIELab	86.34, -83.58, 82.12
CIELCh	86, 117.169, 135.504
Yxy	68.6625, 0.3026, 0.5979
Android (android.graphics.Color)	4280285696 (0xFF1FFA00)
YUV	156.0190, -76.9174, -109.6417
Hunter-Lab	82.8629, -70.1514, 49.8316

# Details

The Hex color **1FFA00** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **DB00FA**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **7DFF5B**, and **00C000** is the 20% darker color. If you saturate the color by 10%, you get **1FFA00**, and if you desaturate by 10%, it is **35FA19**.

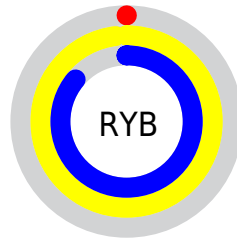
# Distribution



Red (12%)

Green (98%)

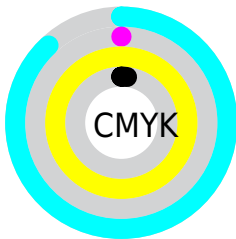
Blue (0%)



Red (0%)

Yellow (98%)

Blue (86%)

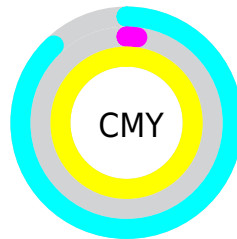


Cyan (88%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (88%)

Magenta (2%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1FFA00 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 1FFA00 by changing the saturation by 10% instead.



 1FFA00

 1FFA00

FFFFFF

 00DD00


 7DFF5B

 00C000

 A0FF7A

 00A300

 C1FF98

 008800

 E1FFB5

 006C00

 FFFFD3

 005200

 FFFFF1

 003900

 001E00

 000000

 1FFA00

 35FA19

 4BFA32

 61FA4B

 77FA64

 8DFA7D

 A2FA96

 B8FAAF

 CEFAC8

 E4FAE1

# Harmonies

## Analogous

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



CFE500



1FFA00



00FF9C

# Triad

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



1FFA00



00F5FF



FF41A4

# Complementary

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



1FFA00



DB00FA

# 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.



FF50FF



1FFA00



00D3FF

# Square

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



1FFA00



00FFFF



FF9AFF



FF8635

# Rectangle

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



1FFA00



00FFEA



FF9AFF



FF35C9

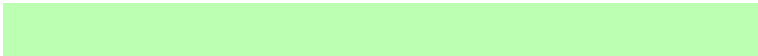


# Sweetspot

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



1FFA00



BCFFB3



FAD900



578052



000000



808080



# Same Dimension

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



1FFA00



20FF00



00FA5C



727D70



17BD00



083D00



# Inverse Universe

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



DB00FA



DF00FF



FA009E



7B707D



A500BD

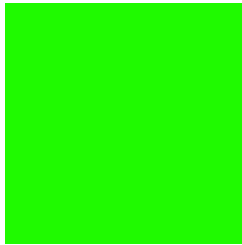


36003D



# Previews

## White Background



This preview shows how the Hex color 1FFA00 looks on a white background.

## Color Contrast Check

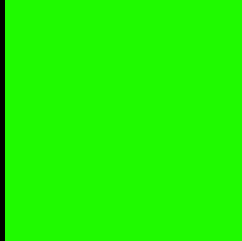
Large Text (above 18pt) WCAG AA × Fail

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 1FFA00 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 1FFA00 Background



This preview shows how black text looks on a background with the Hex color 1FFA00.



This preview shows how white text looks on a background with the Hex color 1FFA00.

# 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](#).

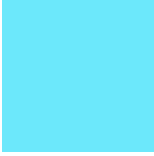
## Dichromacy



**Original Color**  
#FF0000

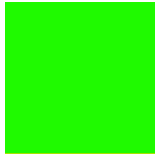
**Protanopia**  
#FFD700

**Deuteranopia**  
#FF8C00



**Tritanopia**  
6CE8FB

# Trichromacy



**Original Color**  
1FFA00



**Protanomaly**  
A5E300

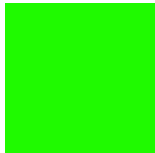


**Deuteranomaly**  
AEDE50



**Tritanomaly**  
50EFA0

# Monochromacy



**Original Color**  
1FFA00



**Achromatopsia**  
9C9C9C



**Achromatomaly**  
6FBE63

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1FFA00 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 #1FFA00 looks like.

```
.text, #text, p{  
    color:#1FFA00  
}
```

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 #1FFA00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1FFA00  
}
```

## Border

The CSS property to change the border of an element to Hex 1FFA00 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  
#1FFA00 }
```

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

```
.border{ border-color:#1FFA00 }
```

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

Here you see how a box with a 4 pixel #1FFA00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1FFA00; -webkit-box-shadow:4px 4px  
4px 4px #1FFA00; box-shadow:4px 4px 4px  
4px #1FFA00 }
```

# Background

The CSS property to change the background color of an element to Hex 1FFA00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1FFA00 }
```

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

```
.background{ background-color:#1FFA00 }
```

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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