

# Converting Colors

Hex(00B800)

Have a look what the booklet for  
Hex(00B800) contains.

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**Color**

**Hex(00B800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B800
RGB	0, 184, 0
RGB Percent	0%, 72%, 0%
CMY	1.0000, 0.2784, 1.0000
CMYK	1.00, 0.00, 1.00, 0.28
HSL	120°, 100%, 36%
HSV	120°, 100%, 72%
XYZ	17.1405, 34.2810, 5.7135
YIQ	108.0080, -50.6000, -96.2320

# Conversions

## Conversions Part 2

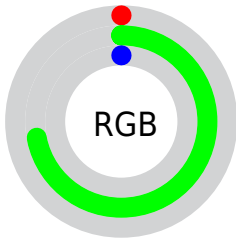
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 184, 184
Decimal	47104
CIELab	65.18, -67.45, 65.10
CIELCh	65, 93.739, 136.016
Yxy	34.2810, 0.3000, 0.6000
Android (android.graphics.Color)	4278237184 (0xFF00B800)
YUV	108.0080, -53.2479, -94.7230
Hunter-Lab	58.5500, -50.2066, 35.1993

# Details

The Hex color **00B800** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **B800B8**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **63F14D**, and **008100** is the 20% darker color. If you saturate the color by 10%, you get **00B800**, and if you desaturate by 10%, it is **12B812**.

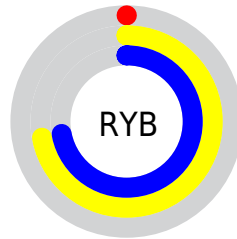
# Distribution



Red (0%)

Green (72%)

Blue (0%)



Red (0%)

Yellow (72%)

Blue (72%)

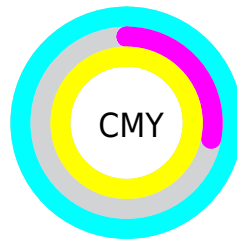


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (100%)

Magenta (28%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B800 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 00B800 by changing the saturation by 10% instead.



 00B800

 00B800

FFFFFF

 009C00

 63F14D

 008100

 84FF69

 006700

 A3FF85

 004D00

 C1FFA1

 003600

 E0FFBE

 001B00

 FFFFDB

 000000

 FFFFF9

 00B800

 12B812

 25B825

 37B837

 4AB84A

 5CB85C

 6EB86E

 81B881

 93B893

 A6B8A6

# Harmonies

## Analogous

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



96A800



00B800



00C072

# Triad

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



00B800



00B4FF



FF2B76

# Complementary

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



00B800



B800B8

# 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.



FF35C9



00B800



0099FF

# Square

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



00B800



00BFFF



D76EFF



FF6121

# Rectangle

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



00B800



00C2AE



D76EFF



FF2091



# Sweetspot

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



00B800



A8F0A8



B8B800



4D784D



F7F7F7



787878



# Same Dimension

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



00B800



00F000



00B85C



535C53



009C00



001C00



# Inverse Universe

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



B800B8



F000F0



B8005C



5C535C



9C009C

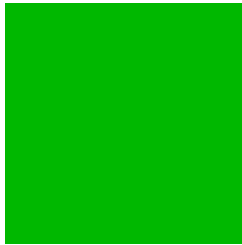


1C001C



# Previews

## White Background



This preview shows how the Hex color 00B800 looks on a white background.

## Color Contrast Check

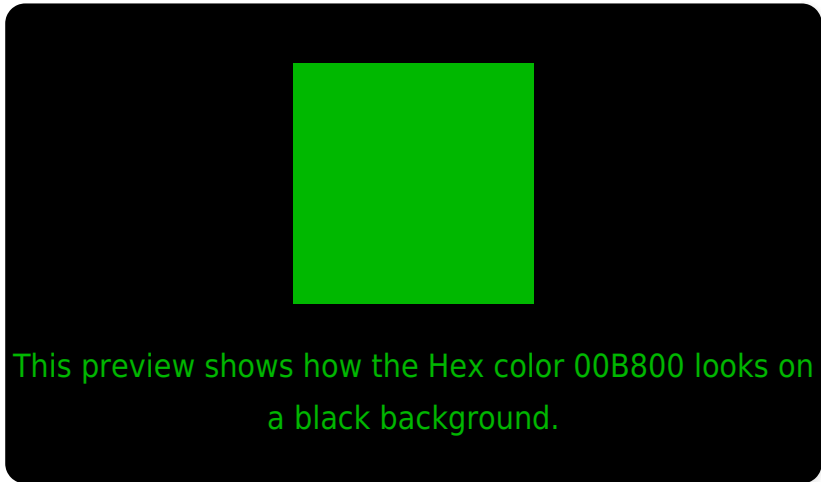
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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

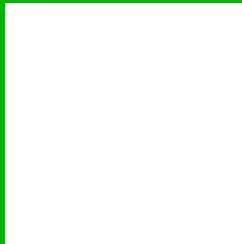
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 00B800 Background



This preview shows how black text looks on a background with the Hex color 00B800.

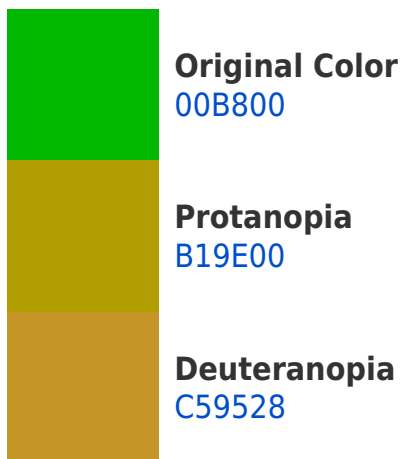


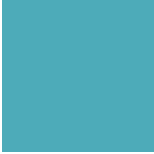
This preview shows how white text looks on a background with the Hex color 00B800.

# 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](#).

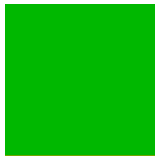
## Dichromacy





**Tritanopia**  
4DABB9

# Trichromacy



**Original Color**  
00B800



**Protanomaly**  
71A700



**Deuteranomaly**  
7DA219



**Tritanomaly**  
31B076

# Monochromacy



**Original Color**  
00B800



**Achromatopsia**  
6C6C6C



**Achromatomaly**  
458845

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B800 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 #00B800 looks like.

```
.text, #text, p{  
    color:#00B800  
}
```

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 #00B800 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B800
}
```

## Border

The CSS property to change the border of an element to Hex 00B800 is called "border". The border property can be set on classes, ids or directly on the HTML element.

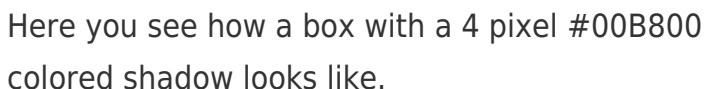
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#00B800 }
```

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

```
.border{ border-color:#00B800 }
```

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



Here you see how a box with a 4 pixel #00B800 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B800; -webkit-box-shadow:4px 4px  
4px 4px #00B800; box-shadow:4px 4px 4px  
4px #00B800 }
```

# Background

The CSS property to change the background color of an element to Hex 00B800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B800 }
```

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

```
.background{ background-color:#00B800 }
```

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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