

# Converting Colors

Hex(03B900)

Have a look what the booklet for  
Hex(03B900) contains.

<b>Hex(03B900)</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(03B900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	03B900
RGB	3, 185, 0
RGB Percent	1%, 73%, 0%
CMY	0.9882, 0.2745, 1.0000
CMYK	0.98, 0.00, 1.00, 0.27
HSL	119°, 100%, 36%
HSV	119°, 100%, 73%
XYZ	17.3865, 34.7173, 5.7847
YIQ	109.4920, -49.0870, -96.1190

# Conversions

## Conversions Part 2

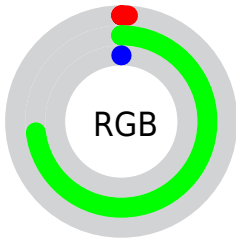
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 185, 182
Decimal	243968
CIELab	65.53, -67.58, 65.38
CIELCh	66, 94.030, 135.949
Yxy	34.7173, 0.3003, 0.5997
Android (android.graphics.Color)	4278434048 (0xFF03B900)
YUV	109.4920, -53.9796, -93.3935
Hunter-Lab	58.9214, -50.4406, 35.4240

# Details

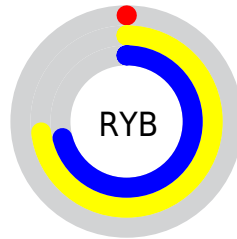
The Hex color **03B900** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **B600B9**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **64F24D**, and **008200** is the 20% darker color. If you saturate the color by 10%, you get **03B900**, and if you desaturate by 10%, it is **15B912**.

# Distribution



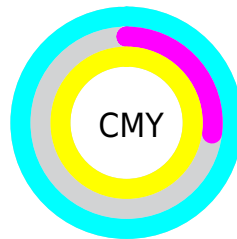
- Red (1%)
- Green (73%)
- Blue (0%)



- Red (0%)
- Yellow (73%)
- Blue (71%)



- Cyan (98%)
- Magenta (0%)
- Yellow (100%)
- Black (27%)



- Cyan (99%)
- Magenta (27%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 03B900 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 03B900 by changing the saturation by 10% instead.



 03B900

 03B900

FFFFFF

 009D00

 64F24D

 008200

 85FF69

 006800

 A4FF86

 004E00

 C2FFA2

 003700

 E1FFBE

 001C00

 FFFFDB

 000000

 FFFFF9

 03B900

 15B912

 27B925

 3AB938

 4CB94A

 5EB95D

 70B96F

 82B982

 95B994

 A7B9A7

# Harmonies

## Analogous

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



97A900



03B900



00C173

# Triad

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



03B900



00B5FF



FF2B77

# Complementary

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



03B900



B600B9

# 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.



FF36CA



03B900



009AFF

# Square

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



03B900



00C0FF



D86FFF



FF6122

# Rectangle

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



03B900



00C3AE



D86FFF



FF2192



# Sweetspot

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



03B900



A9F0A8



B9B600



4D784D



F7F7F7



787878



# Same Dimension

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



03B900



04F000



00B959



535C53



039C00



001C00



# Inverse Universe

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



B600B9



EC00F0



B90060



5C535C



99009C

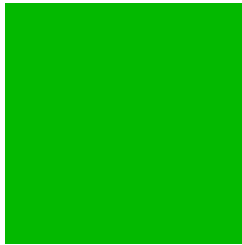


1C001C



# Previews

## White Background



This preview shows how the Hex color 03B900 looks on a white background.

## Color Contrast Check

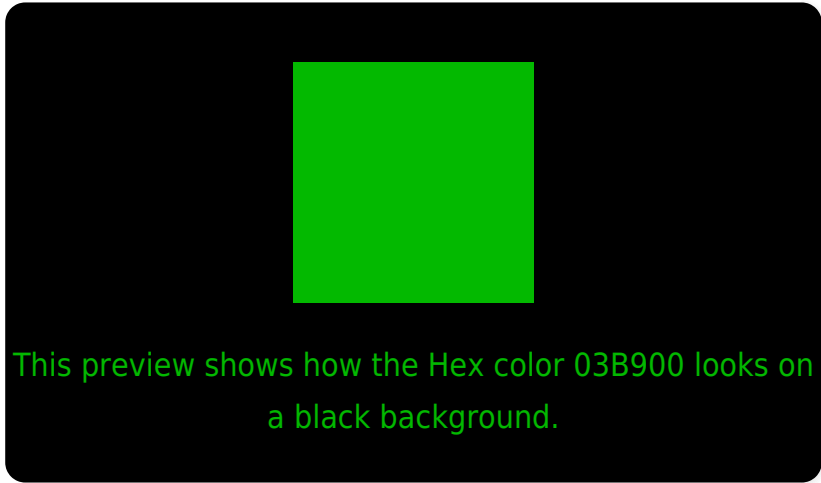
Large Text (above 18pt) WCAG AA × Fail

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

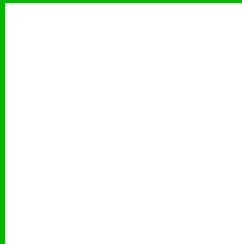
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 03B900 Background



This preview shows how black text looks on a background with the Hex color 03B900.



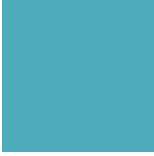
This preview shows how white text looks on a background with the Hex color 03B900.

# 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





# Trichromacy



**Original Color**  
03B900



**Protanomaly**  
72A800

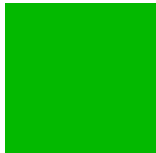


**Deuteranomaly**  
80A319



**Tritanomaly**  
33B176

# Monochromacy



**Original Color**  
03B900



**Achromatopsia**  
6D6D6D



**Achromatomaly**  
468945

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 03B900 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 #03B900 looks like.

```
.text, #text, p{  
    color:#03B900  
}
```

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 #03B900 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #03B900
}
```

## Border

The CSS property to change the border of an element to Hex 03B900 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
#03B900 }
```

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

```
.border{ border-color:#03B900 }
```

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

Here you see how a box with a 4 pixel #03B900 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #03B900; -webkit-box-shadow:4px 4px  
4px 4px #03B900; box-shadow:4px 4px 4px  
4px #03B900 }
```

# Background

The CSS property to change the background color of an element to Hex 03B900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#03B900 }
```

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

```
.background{ background-color:#03B900 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor