

# Converting Colors

Hex(00B10C)

Have a look what the booklet for  
Hex(00B10C) contains.

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# Color

Hex(00B10C)

# Conversions

## Conversions Part 1

Format	Color
Hex	00B10C
RGB	0, 177, 12
RGB Percent	0%, 69%, 5%
CMY	1.0000, 0.3059, 0.9529
CMYK	1.00, 0.00, 0.93, 0.31
HSL	124°, 100%, 35%
HSV	124°, 100%, 69%
XYZ	15.7885, 31.4708, 5.5902
YIQ	105.2670, -52.5270, -88.8390

# Conversions

## Conversions Part 2

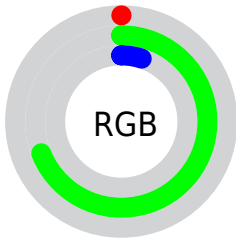
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 166, 177
Decimal	45324
CIELab	62.90, -65.24, 61.71
CIELCh	63, 89.802, 136.596
Yxy	31.4708, 0.2987, 0.5955
Android (android.graphics.Color)	4278235404 (0xFF00B10C)
YUV	105.2670, -45.9806, -92.3192
Hunter-Lab	56.0989, -47.9359, 33.3610

# Details

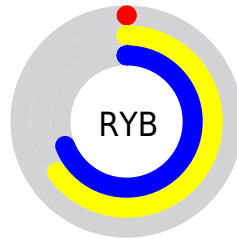
The Hex color **00B10C** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **B100A5**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **61EA4F**, and **007B00** is the 20% darker color. If you saturate the color by 10%, you get **00B10C**, and if you desaturate by 10%, it is **12B11C**.

# Distribution



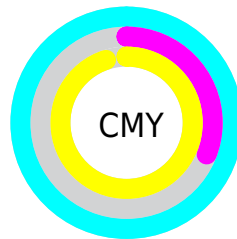
- Red (0%)
- Green (69%)
- Blue (5%)



- Red (0%)
- Yellow (65%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (93%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B10C 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 00B10C by changing the saturation by 10% instead.



 00B10C

 00B10C

FFFFFF

 009500

 61EA4F

 007B00

 81FF6B

 006000

 A0FF87

 004700

 BEFFA3

 003000

 DDFFBF

 001200

 FBFFDC

 000000

 FFFFFA

 00B10C

 12B11C

 23B12D

 35B13D

 47B14E

 59B15E

 6AB16F

 7CB17F

 8EB190

 9FB1A1

# Harmonies

## Analogous

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



8FA200



00B10C



00B870

# Triad

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



00B10C



00ACFF



FF2E70

# Complementary

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



00B10C



B100A5

# 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.



FF36C0



00B10C



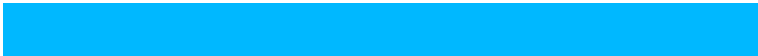
0093FF

# Square

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



00B10C



00B8FF



D06AFF



FF5F20

# Rectangle

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



00B10C



00BAA8



D06AFF



FF258A



# Sweetspot

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



00B10C



A1E6A5



A5B100



49734C



F2F2F2



737373



# Same Dimension

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



00B10C



00E610



00B164



505951



00990A



001A02



# Inverse Universe

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



B100A5



E600D6



B1004D



595059



99008F

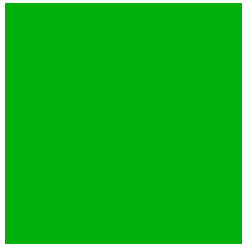


1A0018



# Previews

## White Background



This preview shows how the Hex color 00B10C looks on a white background.

## Color Contrast Check

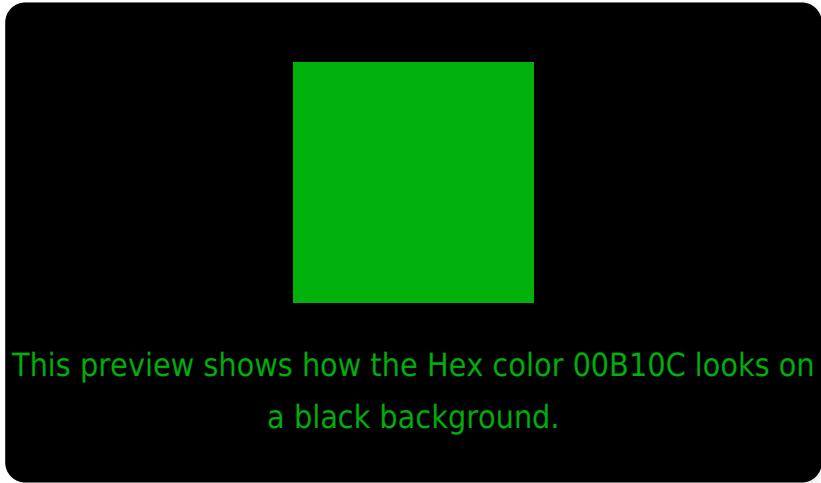
Large Text (above 18pt) WCAG AA × Fail

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 00B10C Background



This preview shows how black text looks on a background with the Hex color 00B10C.

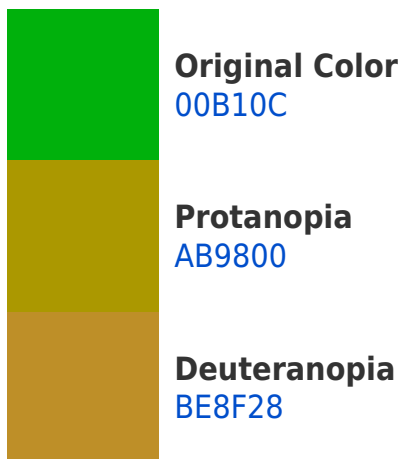


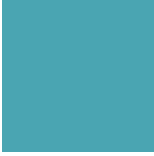
This preview shows how white text looks on a background with the Hex color 00B10C.

# 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](#).

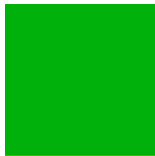
## Dichromacy





**Tritanopia**  
4AA5B2

# Trichromacy



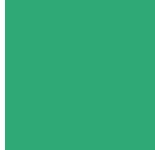
**Original Color**  
00B10C



**Protanomaly**  
6DA104



**Deuteranomaly**  
799B1E



**Tritanomaly**  
2FA976

# Monochromacy



**Original Color**  
00B10C



**Achromatopsia**  
696969



**Achromatomaly**  
438347

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B10C 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 #00B10C looks like.

```
.text, #text, p{  
    color:#00B10C  
}
```

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 #00B10C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B10C
}
```

## Border

The CSS property to change the border of an element to Hex 00B10C 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
#00B10C }
```

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

```
.border{ border-color:#00B10C }
```

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

Here you see how a box with a 4 pixel #00B10C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B10C; -webkit-box-shadow:4px 4px  
4px 4px #00B10C; box-shadow:4px 4px 4px  
4px #00B10C }
```

# Background

The CSS property to change the background color of an element to Hex 00B10C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B10C }
```

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

```
.background{ background-color:#00B10C }
```

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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