

# Converting Colors

Hex(00B330)

Have a look what the booklet for  
Hex(00B330) contains.

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**Color**

**Hex(00B330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B330
RGB	0, 179, 48
RGB Percent	0%, 70%, 19%
CMY	1.0000, 0.2980, 0.8118
CMYK	1.00, 0.00, 0.73, 0.30
HSL	136°, 100%, 35%
HSV	136°, 100%, 70%
XYZ	16.6536, 32.4536, 8.1827
YIQ	110.5450, -64.6330, -78.6890

# Conversions

## Conversions Part 2

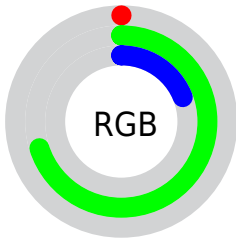
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 141, 179
Decimal	45872
CIELab	63.72, -63.82, 53.04
CIELCh	64, 82.982, 140.268
Yxy	32.4536, 0.2907, 0.5665
Android (android.graphics.Color)	4278235952 (0xFF00B330)
YUV	110.5450, -30.8347, -96.9480
Hunter-Lab	56.9681, -47.5128, 31.3614

# Details

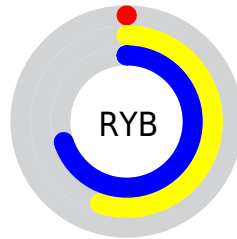
The Hex color **00B330** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **B30083**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **60EC66**, and **007C00** is the 20% darker color. If you saturate the color by 10%, you get **00B330**, and if you desaturate by 10%, it is **12B33D**.

# Distribution



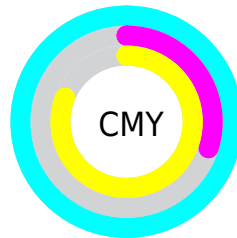
- Red (0%)
- Green (70%)
- Blue (19%)



- Red (0%)
- Yellow (55%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B330 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 00B330 by changing the saturation by 10% instead.



 00B330

 00B330

FFFFFF

 00970F

 60EC66

 007C00

 80FF81

 006200

 9EFF9C

 004900

 BDFFB8

 003200

 DBFFD5

 001500

 FAFFF2

 000000

 00B330

 12B33D

 24B34A

 36B357

 48B364

 5AB371

 6BB37F

 7DB38C

 8FB399

 A1B3A6

# Harmonies

## Analogous

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



8AA600



00B330



00B97F

# Triad

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



00B330



00AAFF



FF486C

# Complementary

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



00B330



B30083

# 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.



FF46B6



00B330



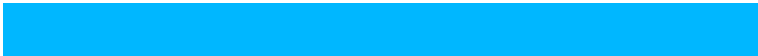
5791FF

# Square

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



00B330



00B7FF



DA6CFA



FF6C24

# Rectangle

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



00B330



00BBB3



DA6CFA



FF4184



# Sweetspot

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



00B330



A2E8B5



83B300



4B7556



F5F5F5



757575



# Same Dimension

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



00B330



00E83E



00B389



505953



009929



001A07



# Inverse Universe

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



B30083



E800AA



B3002A



595057



990070

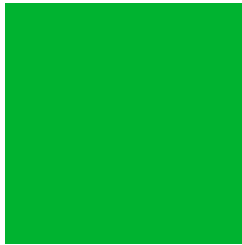


1A0013



# Previews

## White Background



This preview shows how the Hex color 00B330 looks on a white background.

## Color Contrast Check

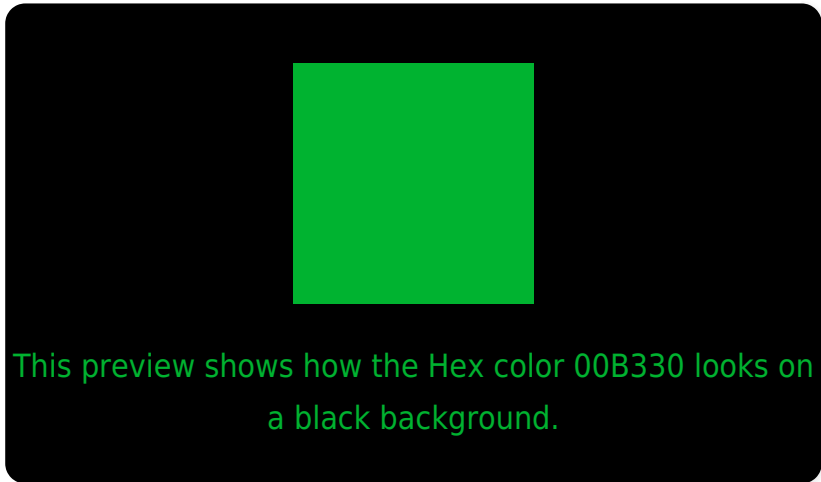
Large Text (above 18pt) WCAG AA × Fail

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 00B330 Background



This preview shows how black text looks on a background with the Hex color 00B330.



This preview shows how white text looks on a background with the Hex color 00B330.

# 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**  
00B330

**Protanopia**  
AC9A29

**Deuteranopia**  
BF923D



**Tritanopia**  
4AA7B5

# Trichromacy



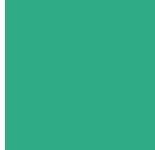
**Original Color**  
00B330



**Protanomaly**  
6DA32C



**Deuteranomaly**  
7A9E38



**Tritanomaly**  
2FAB85

# Monochromacy



**Original Color**  
00B330



**Achromatopsia**  
6F6F6F



**Achromatomaly**  
478858

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B330 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 #00B330 looks like.

```
.text, #text, p{  
    color:#00B330  
}
```

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 #00B330 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B330
}
```

## Border

The CSS property to change the border of an element to Hex 00B330 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
#00B330 }
```

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

```
.border{ border-color:#00B330 }
```

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

Here you see how a box with a 4 pixel #00B330 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B330; -webkit-box-shadow:4px 4px  
4px 4px #00B330; box-shadow:4px 4px 4px  
4px #00B330 }
```

# Background

The CSS property to change the background color of an element to Hex 00B330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B330 }
```

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

```
.background{ background-color:#00B330 }
```

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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