

# Converting Colors

Hex(00B506)

Have a look what the booklet for  
Hex(00B506) contains.

<b>Hex(00B506)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(00B506)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B506
RGB	0, 181, 6
RGB Percent	0%, 71%, 2%
CMY	1.0000, 0.2902, 0.9765
CMYK	1.00, 0.00, 0.97, 0.29
HSL	122°, 100%, 35%
HSV	122°, 100%, 71%
XYZ	16.5567, 33.0609, 5.6811
YIQ	106.9310, -51.7010, -92.7970

# Conversions

## Conversions Part 2

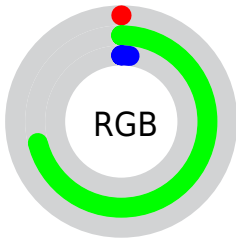
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 175, 181
Decimal	46342
CIELab	64.21, -66.49, 63.56
CIELCh	64, 91.982, 136.291
Yxy	33.0609, 0.2994, 0.5979
Android (android.graphics.Color)	4278236422 (0xFF00B506)
YUV	106.9310, -49.7590, -93.7785
Hunter-Lab	57.4986, -49.2234, 34.3910

# Details

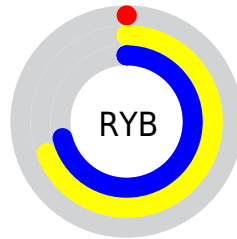
The Hex color **00B506** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **B500AF**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **62EE4E**, and **007E00** is the 20% darker color. If you saturate the color by 10%, you get **00B506**, and if you desaturate by 10%, it is **12B518**.

# Distribution



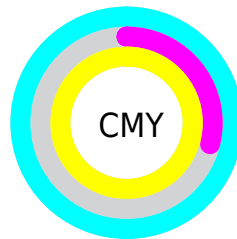
- Red (0%)
- Green (71%)
- Blue (2%)



- Red (0%)
- Yellow (69%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (97%)
- Black (29%)



- Cyan (100%)
- Magenta (29%)
- Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B506 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 00B506 by changing the saturation by 10% instead.



 00B506

 00B506

FFFFFF

 009900

 62EE4E

 007E00

 82FF6A

 006400

 A1FF86

 004A00

 C0FFA2

 003300

 DFFFBF

 001700

 FEFFDC

 000000

 FFFFF9

 00B506

 12B518

 24B529

 36B53B

 48B54C

 5BB55E

 6DB56F

 7FB581

 91B592

 A3B5A4

# Harmonies

## Analogous

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



93A600



00B506



00BC72

# Triad

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



00B506



00B0FF



FF2D73

# Complementary

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



00B506



B500AF

# 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.



FF36C5



00B506



0097FF

# Square

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



00B506



00BCFF



D46CFF



FF6021

# Rectangle

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



00B506



00BEAB



D46CFF



FF238E



# Sweetspot

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



00B506



A4EBA7



B2B500



4B754C



F5F5F5



757575



# Same Dimension

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



00B506



00EB08



00B55E



505951



009905



001A01



# Inverse Universe

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



B500AF



EB00E3



B50057



595059



990094

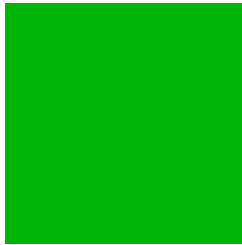


1A0019



# Previews

## White Background



This preview shows how the Hex color 00B506 looks on a white background.

## Color Contrast Check

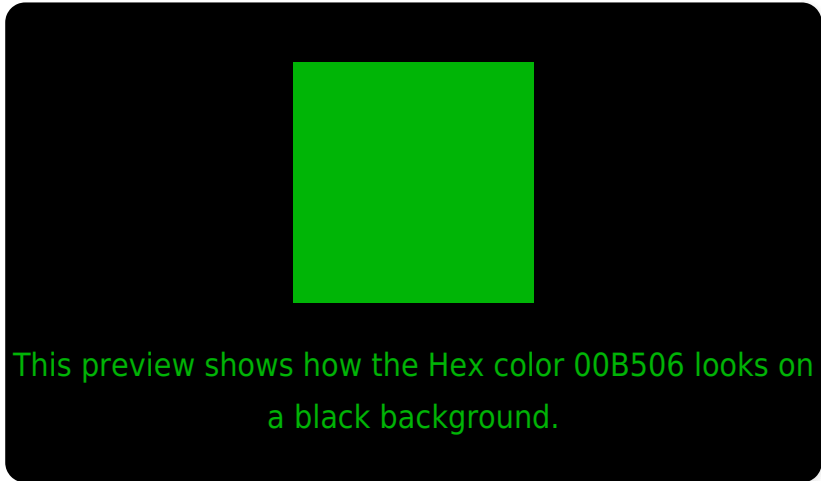
Large Text (above 18pt) WCAG AA × Fail

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

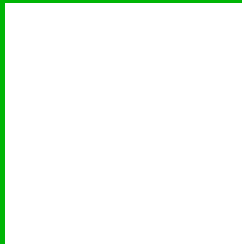
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 00B506 Background



This preview shows how black text looks on a background with the Hex color 00B506.



This preview shows how white text looks on a background with the Hex color 00B506.

# 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](#).

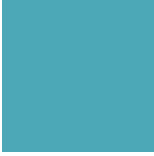
## Dichromacy



**Original Color**  
00B506

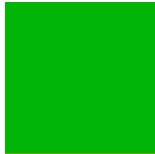
**Protanopia**  
AE9B00

**Deuteranopia**  
C29328



**Tritanopia**  
4CA8B6

# Trichromacy



**Original Color**  
00B506



**Protanomaly**  
6FA402



**Deuteranomaly**  
7B9F1C



**Tritanomaly**  
30AD76

# Monochromacy



**Original Color**  
00B506



**Achromatopsia**  
6B6B6B



**Achromatomaly**  
448646

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B506 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 #00B506 looks like.

```
.text, #text, p{  
    color:#00B506  
}
```

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 #00B506 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B506
}
```

## Border

The CSS property to change the border of an element to Hex 00B506 is called "border". The border property can be set on classes, ids or directly on the HTML element.

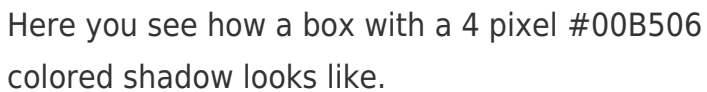
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#00B506 }
```

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

```
.border{ border-color:#00B506 }
```

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



Here you see how a box with a 4 pixel #00B506 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B506; -webkit-box-shadow:4px 4px  
4px 4px #00B506; box-shadow:4px 4px 4px  
4px #00B506 }
```

# Background

The CSS property to change the background color of an element to Hex 00B506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B506 }
```

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

```
.background{ background-color:#00B506 }
```

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