

# Converting Colors

Hex(008800)

Have a look what the booklet for  
Hex(008800) contains.

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**Color**

**Hex(008800)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	008800
RGB	0, 136, 0
RGB Percent	0%, 53%, 0%
CMY	1.0000, 0.4667, 1.0000
CMYK	1.00, 0.00, 1.00, 0.47
HSL	120°, 100%, 27%
HSV	120°, 100%, 53%
XYZ	8.8042, 17.6083, 2.9347
YIQ	79.8320, -37.4000, -71.1280

# Conversions

## Conversions Part 2

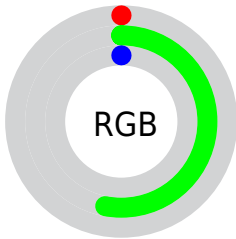
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 136, 136
Decimal	34816
CIELab	49.02, -54.02, 52.13
CIELCh	49, 75.072, 136.016
Yxy	17.6083, 0.3000, 0.6000
Android (android.graphics.Color)	4278224896 (0xFF008800)
YUV	79.8320, -39.3572, -70.0127
Hunter-Lab	41.9623, -35.9826, 25.2270

# Details

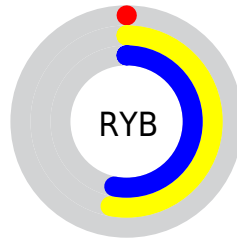
The Hex color **008800** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **880088**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **54BF42**, and **005400** is the 20% darker color. If you saturate the color by 10%, you get **008800**, and if you desaturate by 10%, it is **0E880E**.

# Distribution



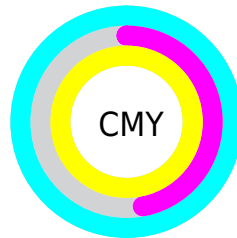
- Red (0%)
- Green (53%)
- Blue (0%)



- Red (0%)
- Yellow (53%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (47%)



- Cyan (100%)
- Magenta (47%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 008800 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 008800 by changing the saturation by 10% instead.



 008800

 008800

FFFFFF

 006E00

 54BF42

 005400

 72DB5C

 003C00

 8FF877

 002500

 ACFF92

 000000

 CAFFAE

 E7FFCA

 FFFFE7

 008800

 0E880E

 1B881B

 298829

 368836

 448844

 528852

 5F885F

 6D886D

 7A887A

# Harmonies

## Analogous

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



6E7C00



008800



008E53

# Triad

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



008800



0085F1



E11D56

# Complementary

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



008800



880088

# 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.



D52595



008800



0071F1

# Square

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



008800



008ED0



9F50CE



CF4616

# Rectangle

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



008800



008F80



9F50CE



E1156B



# Sweetspot

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



008800



7BB07B



888800



395939



D9D9D9



595959



# Same Dimension

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



008800



00B000



008844



3E453E



008500



000500



# Inverse Universe

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



880088



B000B0



880044



453E45



850085

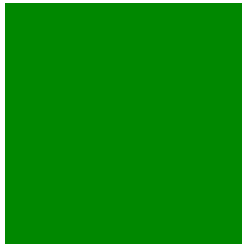


050005



# Previews

## White Background



This preview shows how the Hex color 008800 looks on a white background.

## Color Contrast Check

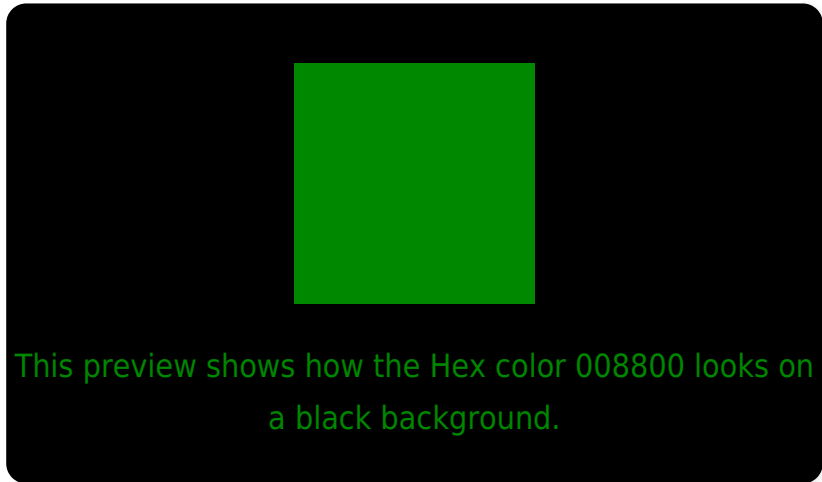
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

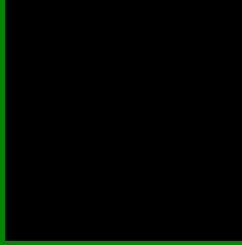
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 008800 Background



This preview shows how black text looks on a background with the Hex color 008800.



This preview shows how white text looks on a background with the Hex color 008800.

# 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**  
008800

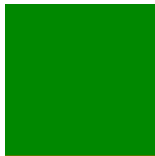
**Protanopia**  
837400

**Deuteranopia**  
926E1E



**Tritanopia**  
397E89

# Trichromacy



**Original Color**  
008800



**Protanomaly**  
537B00



**Deuteranomaly**  
5D7713



**Tritanomaly**  
248257

# Monochromacy



**Original Color**  
008800



**Achromatopsia**  
505050



**Achromatomaly**  
336433

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 008800 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 #008800 looks like.

```
.text, #text, p{  
    color:#008800  
}
```

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 #008800 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #008800
}
```

## Border

The CSS property to change the border of an element to Hex 008800 is called "border". The border property can be set on classes, ids or directly on the HTML element.

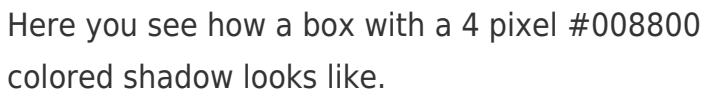
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#008800 }
```

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

```
.border{ border-color:#008800 }
```

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



Here you see how a box with a 4 pixel #008800 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #008800; -webkit-box-shadow:4px 4px  
4px 4px #008800; box-shadow:4px 4px 4px  
4px #008800 }
```

# Background

The CSS property to change the background color of an element to Hex 008800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#008800 }
```

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

```
.background{ background-color:#008800 }
```

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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