

# Converting Colors

Hex(009800)

Have a look what the booklet for  
Hex(009800) contains.

<b>Hex(009800)</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(009800)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	009800
RGB	0, 152, 0
RGB Percent	0%, 60%, 0%
CMY	1.0000, 0.4039, 1.0000
CMYK	1.00, 0.00, 1.00, 0.40
HSL	120°, 100%, 30%
HSV	120°, 100%, 60%
XYZ	11.2282, 22.4565, 3.7427
YIQ	89.2240, -41.8000, -79.4960

# Conversions

## Conversions Part 2

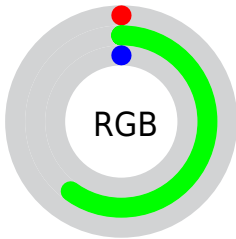
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 152, 152
Decimal	38912
CIELab	54.51, -58.58, 56.54
CIELCh	55, 81.411, 136.016
Yxy	22.4565, 0.3000, 0.6000
Android (android.graphics.Color)	4278228992 (0xFF009800)
YUV	89.2240, -43.9874, -78.2494
Hunter-Lab	47.3883, -40.6354, 28.4890

# Details

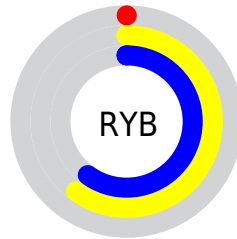
The Hex color **009800** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **980098**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **59D045**, and **006300** is the 20% darker color. If you saturate the color by 10%, you get **009800**, and if you desaturate by 10%, it is **0F980F**.

# Distribution



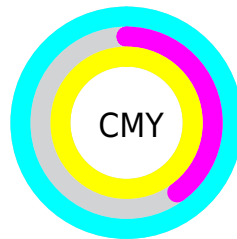
- Red (0%)
- Green (60%)
- Blue (0%)



- Red (0%)
- Yellow (60%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 009800 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 009800 by changing the saturation by 10% instead.



 009800

 009800

FFFFFF

 007D00

 59D045

 006300

 78EC61

 004A00

 96FF7C

 003300

 B3FF97

 001800

 D1FFB3

 000000

 F0FFD0

 FFFFED

 009800

 0F980F

 1E981E

 2E982E

 3D983D

 4C984C

 5B985B

 6A986A

 7A987A

 899889

# Harmonies

## Analogous

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



7B8B00



009800



009E5E

# Triad

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



009800



0094FF



FB2160

# Complementary

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



009800



980098

# 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.



ED2AA6



009800



007EFF

# Square

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



009800



009EE7



B25AE5



E64F19

# Rectangle

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



009800



00A08F



B25AE5



FB1877



# Sweetspot

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



009800



89C489



989800



406340



E3E3E3



636363



# Same Dimension

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



009800



00C400



00984C



454D45



008C00



000D00



# Inverse Universe

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



980098



C400C4



98004C



4D454D



8C008C

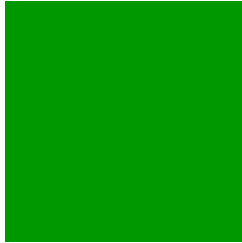


0D000D



# Previews

## White Background



This preview shows how the Hex color 009800 looks on a white background.

## Color Contrast Check

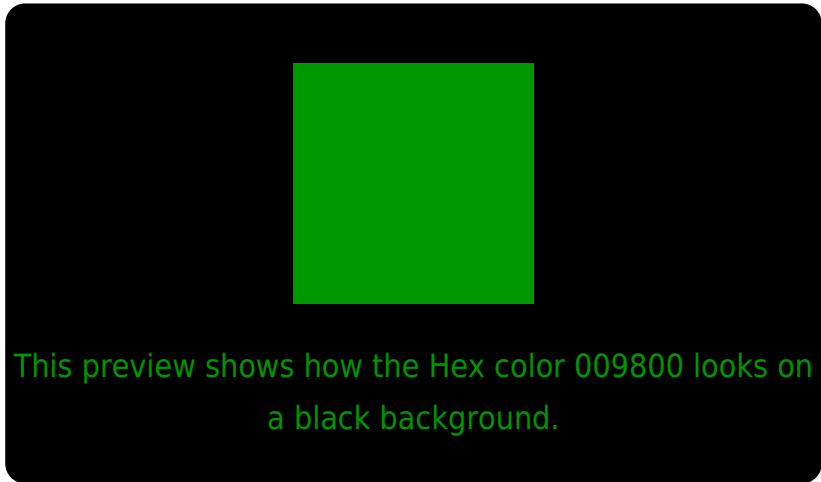
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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



## Hex 009800 Background



This preview shows how black text looks on a background with the Hex color 009800.



This preview shows how white text looks on a background with the Hex color 009800.

# 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**  
009800

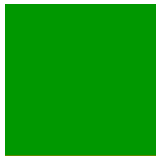
**Protanopia**  
928200

**Deuteranopia**  
A37B21



**Tritanopia**  
408D99

# Trichromacy



**Original Color**  
009800



**Protanomaly**  
5D8A00



**Deuteranomaly**  
688615



**Tritanomaly**  
299161

# Monochromacy



**Original Color**  
009800



**Achromatopsia**  
595959



**Achromatomaly**  
397039

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009800 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 #009800 looks like.

```
.text, #text, p{  
    color:#009800  
}
```

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 #009800 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009800
}
```

## Border

The CSS property to change the border of an element to Hex 009800 is called "border". The border property can be set on classes, ids or directly on the HTML element.

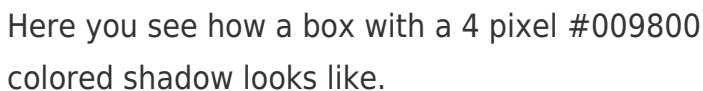
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#009800 }
```

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

```
.border{ border-color:#009800 }
```

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



Here you see how a box with a 4 pixel #009800 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009800; -webkit-box-shadow:4px 4px  
4px 4px #009800; box-shadow:4px 4px 4px  
4px #009800 }
```

# Background

The CSS property to change the background color of an element to Hex 009800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009800 }
```

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

```
.background{ background-color:#009800 }
```

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