

# Converting Colors

Hex(009844)

Have a look what the booklet for  
Hex(009844) contains.

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**Color**

**Hex(009844)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	009844
RGB	0, 152, 68
RGB Percent	0%, 60%, 27%
CMY	1.0000, 0.4039, 0.7333
CMYK	1.00, 0.00, 0.55, 0.40
HSL	147°, 100%, 30%
HSV	147°, 100%, 60%
XYZ	12.2716, 22.8738, 9.2372
YIQ	96.9760, -63.6280, -58.3480

# Conversions

## Conversions Part 2

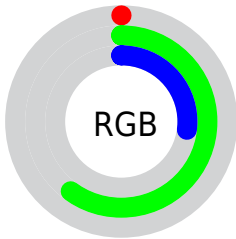
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 105, 152
Decimal	38980
CIELab	54.94, -53.07, 34.43
CIELCh	55, 63.266, 147.025
Yxy	22.8738, 0.2765, 0.5154
Android (android.graphics.Color)	4278229060 (0xFF009844)
YUV	96.9760, -14.2852, -85.0480
Hunter-Lab	47.8266, -37.8960, 22.0274

# Details

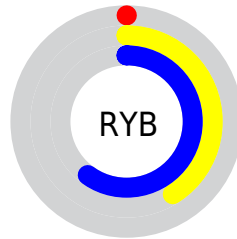
The Hex color **009844** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **980054**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **57D076**, and **006313** is the 20% darker color. If you saturate the color by 10%, you get **009844**, and if you desaturate by 10%, it is **0F984C**.

# Distribution



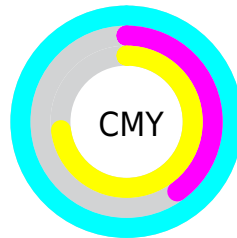
- Red (0%)
- Green (60%)
- Blue (27%)



- Red (0%)
- Yellow (41%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 009844 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 009844 by changing the saturation by 10% instead.



 009844

 009844

FFFFFF

 007D2C

 57D076

 006313

 74EC90

 004A00

 92FFAB

 003300

 AFFFC7

 001A00

 CDFFE3

 000000

 EAFFFF

 009844

 0F984C

 1E9855

 2E985D

 3D9866

 4C986E

 5B9876

 6A987F

 7A9887

 899890

# Harmonies

## Analogous

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



6D8F0C



009844



009C7C

# Triad

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



009844



008CF1



E25255

# Complementary

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



009844



980054

# 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.



E14B8B



009844



7777E6

# Square

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



009844



0098DF



C05DC0



CB6924

# Rectangle

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



009844



009DA2



C05DC0



E54D67



# Sweetspot

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



009844



89C4A4



569800



406350



E3E3E3



636363



# Same Dimension

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



009844



00C458



00988E



454D48



008C3F



000D06



# Inverse Universe

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



980054



C4006D



98000A



4D4549



8C004E



0D0007



# Previews

## White Background



This preview shows how the Hex color 009844 looks on a white background.

## Color Contrast Check

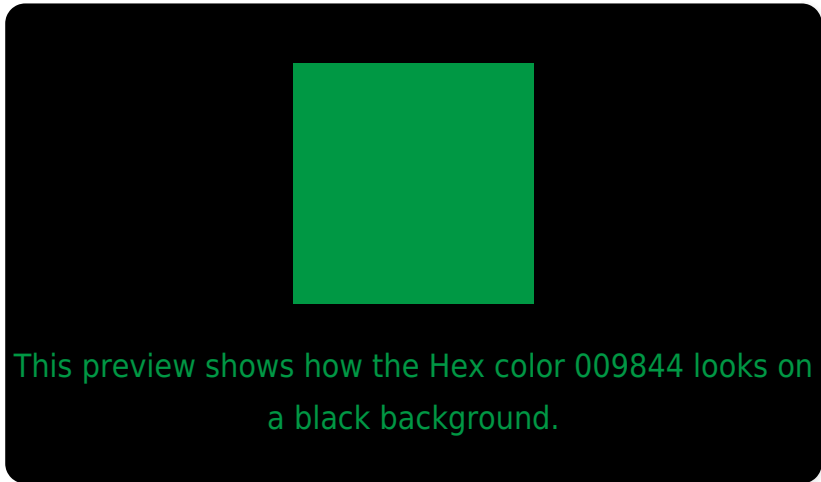
Large Text (above 18pt) WCAG AA ✓ Pass

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 009844 Background



This preview shows how black text looks on a background with the Hex color 009844.

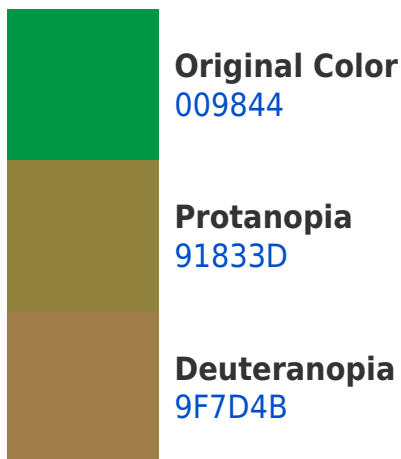


This preview shows how white text looks on a background with the Hex color 009844.

# 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**  
3B8F9A

# Trichromacy



**Original Color**

009844



**Protanomaly**

5C8B40



**Deuteranomaly**

658748



**Tritanomaly**

26927B

# Monochromacy



**Original Color**

009844



**Achromatopsia**

616161



**Achromatomaly**

3E7556

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009844 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 #009844 looks like.

```
.text, #text, p{  
    color:#009844  
}
```

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 #009844 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009844
}
```

## Border

The CSS property to change the border of an element to Hex 009844 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
#009844 }
```

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

```
.border{ border-color:#009844 }
```

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

Here you see how a box with a 4 pixel #009844 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009844; -webkit-box-shadow:4px 4px  
4px 4px #009844; box-shadow:4px 4px 4px  
4px #009844 }
```

# Background

The CSS property to change the background color of an element to Hex 009844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009844 }
```

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

```
.background{ background-color:#009844 }
```

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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