

# Converting Colors

Hex(009826)

Have a look what the booklet for  
Hex(009826) contains.

<b>Hex(009826)</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(009826)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	009826
RGB	0, 152, 38
RGB Percent	0%, 60%, 15%
CMY	1.0000, 0.4039, 0.8510
CMYK	1.00, 0.00, 0.75, 0.40
HSL	135°, 100%, 30%
HSV	135°, 100%, 60%
XYZ	11.5781, 22.5964, 5.5850
YIQ	93.5560, -53.9980, -67.6780

# Conversions

## Conversions Part 2

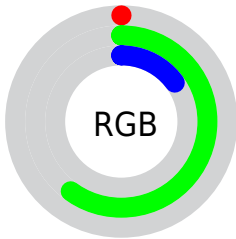
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 122, 152
Decimal	38950
CIELab	54.65, -56.69, 47.51
CIELCh	55, 73.961, 140.035
Yxy	22.5964, 0.2912, 0.5683
Android (android.graphics.Color)	4278229030 (0xFF009826)
YUV	93.5560, -27.3891, -82.0486
Hunter-Lab	47.5357, -39.7109, 26.3089

# Details

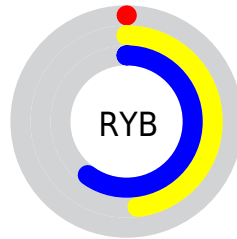
The Hex color **009826** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **980072**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **58D05B**, and **006300** is the 20% darker color. If you saturate the color by 10%, you get **009826**, and if you desaturate by 10%, it is **0F9831**.

# Distribution



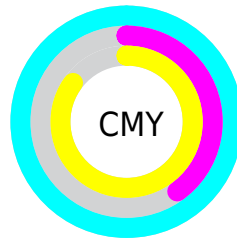
- Red (0%)
- Green (60%)
- Blue (15%)



- Red (0%)
- Yellow (48%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 009826 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 009826 by changing the saturation by 10% instead.



 009826

 009826

FFFFFF

 007D04

 58D05B

 006300

 76EC75

 004A00

 94FF90

 003300

 B1FFAB

 001900

 CFFFC7

 000000

 EDFFE4

 009826

 0F9831

 1E983D

 2E9848

 3D9854

 4C985F

 5B986A

 6A9876

 7A9881

 89988D

# Harmonies

## Analogous

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



758D00



009826



009E6A

# Triad

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



009826



0091FF



F13B5B

# Complementary

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



009826



980072

# 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.



E93A9B



009826



467BFC

# Square

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



009826



009CE4



B95BD6



DB5B1D

# Rectangle

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



009826



009F97



B95BD6



F23570



# Sweetspot

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



009826



89C498



729800



406349



E3E3E3



636363



# Same Dimension

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



009826



00C431



009872



454D47



008C23



000D03



# Inverse Universe

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



980072



C40093



980026



4D454B



8C0069

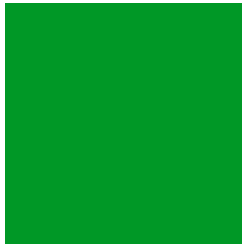


0D000A



# Previews

## White Background



This preview shows how the Hex color 009826 looks on a white background.

## Color Contrast Check

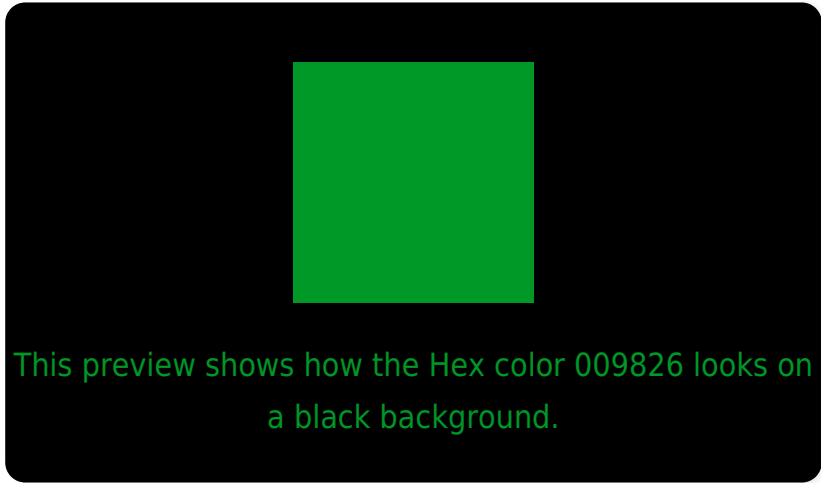
Large Text (above 18pt) WCAG AA ✓ Pass

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 009826 Background



This preview shows how black text looks on a background with the Hex color 009826.



This preview shows how white text looks on a background with the Hex color 009826.

# 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**  
3F8E99

# Trichromacy



**Original Color**  
009826



**Protanomaly**  
5D8A22



**Deuteranomaly**  
67862D



**Tritanomaly**  
28926F

# Monochromacy



**Original Color**  
009826



**Achromatopsia**  
5E5E5E



**Achromatomaly**  
3C734A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009826 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 #009826 looks like.

```
.text, #text, p{  
    color:#009826  
}
```

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 #009826 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009826
}
```

## Border

The CSS property to change the border of an element to Hex 009826 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
#009826 }
```

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

```
.border{ border-color:#009826 }
```

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

Here you see how a box with a 4 pixel #009826 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009826; -webkit-box-shadow:4px 4px  
4px 4px #009826; box-shadow:4px 4px 4px  
4px #009826 }
```

# Background

The CSS property to change the background color of an element to Hex 009826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009826 }
```

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

```
.background{ background-color:#009826 }
```

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**