

# Converting Colors

Hex(009B51)

Have a look what the booklet for  
Hex(009B51) contains.

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**Color**

**Hex(009B51)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	009B51
RGB	0, 155, 81
RGB Percent	0%, 61%, 32%
CMY	1.0000, 0.3922, 0.6824
CMYK	1.00, 0.00, 0.48, 0.39
HSL	151°, 100%, 30%
HSV	151°, 100%, 61%
XYZ	13.2065, 24.0368, 11.7281
YIQ	100.2190, -68.6260, -55.8740

# Conversions

## Conversions Part 2

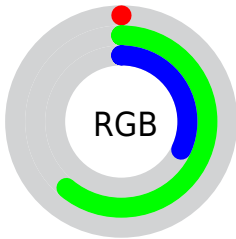
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 102, 155
Decimal	39761
CIELab	56.12, -51.91, 29.19
CIELCh	56, 59.555, 150.647
Yxy	24.0368, 0.2697, 0.4908
Android (android.graphics.Color)	4278229841 (0xFF009B51)
YUV	100.2190, -9.4750, -87.8921
Hunter-Lab	49.0273, -37.7150, 20.1360

# Details

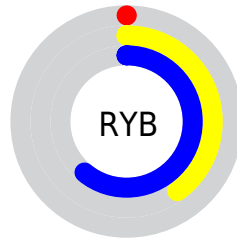
The Hex color **009B51** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9B004A**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **57D383**, and **006622** is the 20% darker color. If you saturate the color by 10%, you get **009B51**, and if you desaturate by 10%, it is **0F9B58**.

# Distribution



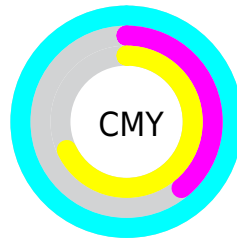
- Red (0%)
- Green (61%)
- Blue (32%)



- Red (0%)
- Yellow (40%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 009B51 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 009B51 by changing the saturation by 10% instead.



 009B51

 009B51

FFFFFF

 008039

 57D383

 006622

 75EF9E

 004D0A

 93FFB9

 003500

 B0FFD5

 001E00

 CDFFF2

 000000

 EBFFFF

 009B51

 0F9B58

 1F9B60

 2F9B67

 3E9B6F

 4E9B76

 5D9B7D

 6C9B85

 7C9B8C

 8B9B94

# Harmonies

## Analogous

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



6B9323



009B51



009F86

# Triad

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



009B51



008CEE



E05B55

# Complementary

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



009B51



9B004A

# 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.



E15388



009B51



8778E0

# Square

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



009B51



0099E0



C561BA



C77029

# Rectangle

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



009B51



009FAA



C561BA



E35665



# Sweetspot

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



009B51



8DC9AD



4B9B00



416654



E6E6E6



666666



# Same Dimension

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



009B51



00C969



00989B



454D49



008C49



000D07



# Inverse Universe

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



9B004A



C90060



9B0300



4D4549



8C0043



0D0006



# Previews

## White Background



This preview shows how the Hex color 009B51 looks on a white background.

## Color Contrast Check

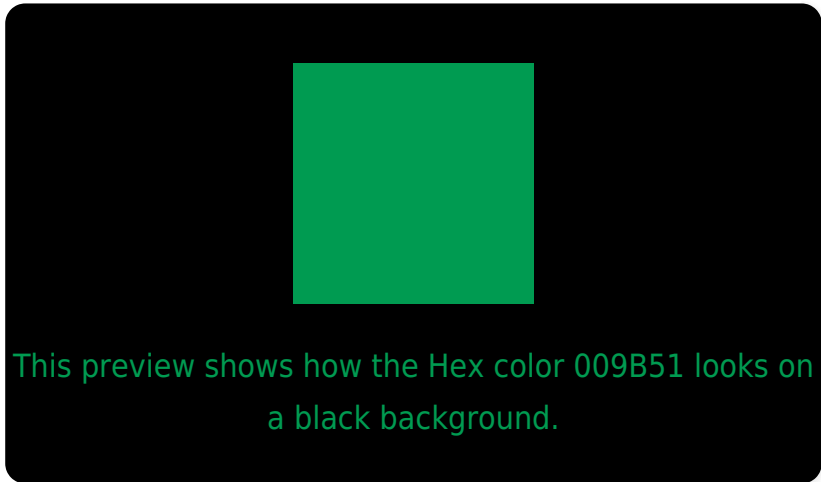
Large Text (above 18pt) WCAG AA ✓ Pass

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 009B51 Background



This preview shows how black text looks on a background with the Hex color 009B51.

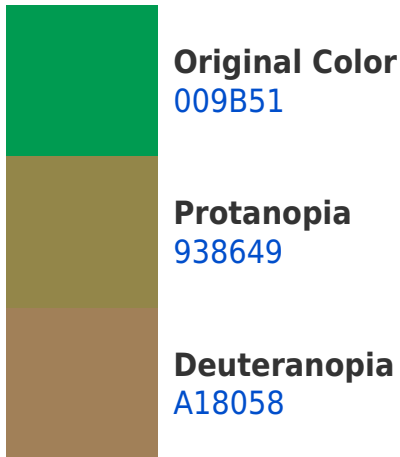


This preview shows how white text looks on a background with the Hex color 009B51.

# 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**  
3B929E

# Trichromacy



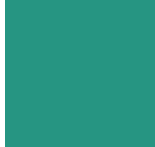
**Original Color**  
009B51



**Protanomaly**  
5E8E4C



**Deuteranomaly**  
668A55



**Tritanomaly**  
269582

# Monochromacy



**Original Color**  
009B51



**Achromatopsia**  
646464



**Achromatomaly**  
40785D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009B51 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 #009B51 looks like.

```
.text, #text, p{  
    color:#009B51  
}
```

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 #009B51 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009B51
}
```

## Border

The CSS property to change the border of an element to Hex 009B51 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
#009B51 }
```

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

```
.border{ border-color:#009B51 }
```

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

Here you see how a box with a 4 pixel #009B51 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009B51; -webkit-box-shadow:4px 4px  
4px 4px #009B51; box-shadow:4px 4px 4px  
4px #009B51 }
```

# Background

The CSS property to change the background color of an element to Hex 009B51 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009B51 }
```

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

```
.background{ background-color:#009B51 }
```

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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