

# Converting Colors

Hex(009167)

Have a look what the booklet for  
Hex(009167) contains.

<b>Hex(009167)</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(009167)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009167
RGB	0, 145, 103
RGB Percent	0%, 57%, 40%
CMY	1.0000, 0.4314, 0.5961
CMYK	1.00, 0.00, 0.29, 0.43
HSL	163°, 100%, 28%
HSV	163°, 100%, 57%
XYZ	12.5736, 21.2301, 16.2671
YIQ	96.8570, -72.9380, -43.8020

# Conversions

## Conversions Part 2

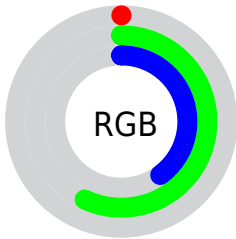
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 85, 145
Decimal	37223
CIELab	53.20, -43.51, 13.19
CIELCh	53, 45.465, 163.139
Yxy	21.2301, 0.2511, 0.4240
Android (android.graphics.Color)	4278227303 (0xFF009167)
YUV	96.8570, 3.0285, -84.9436
Hunter-Lab	46.0761, -31.9228, 11.3210

# Details

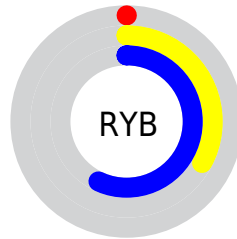
The Hex color **009167** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **91002A**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **54C89A**, and **005D38** is the 20% darker color. If you saturate the color by 10%, you get **009167**, and if you desaturate by 10%, it is **0E916B**.

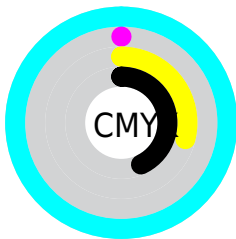
# Distribution



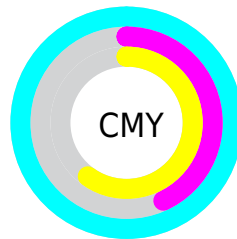
- Red (0%)
- Green (57%)
- Blue (40%)



- Red (0%)
- Yellow (33%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (43%)



- Cyan (100%)
- Magenta (43%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 009167 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 009167 by changing the saturation by 10% instead.



 009167

 009167

FFFFFF

 00774F

 54C89A

 005D38

 72E4B5

 004522

 8FFFD1

 002E0D

 ACFFED

 001300

 C9FFFF

 000000

 E7FFFF

 009167

 0E916B

 1D916F

 2C9174

 3A9178

 49917C

 579180

 669184

 749189

 83918D

# Harmonies

## Analogous

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



598C43



009167



009390

# Triad

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



009167



597DCB



C0664B

# Complementary

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



009167



91002A

# 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.



C85D6F



009167



986EB8

# Square

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



009167



0089CA



BB6097



A77532

# Rectangle

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



009167



0092A9



BB6097



C46256



# Sweetspot

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



009167



84BDAC



2C9100



3C5E55



DEDEDE



5E5E5E



# Same Dimension

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



009167



00BD86



007491



404745



008760



000805



# Inverse Universe

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



91002A



BD0037



911D00



474042



870027



080002



# Previews

## White Background



This preview shows how the Hex color 009167 looks on a white background.

## Color Contrast Check

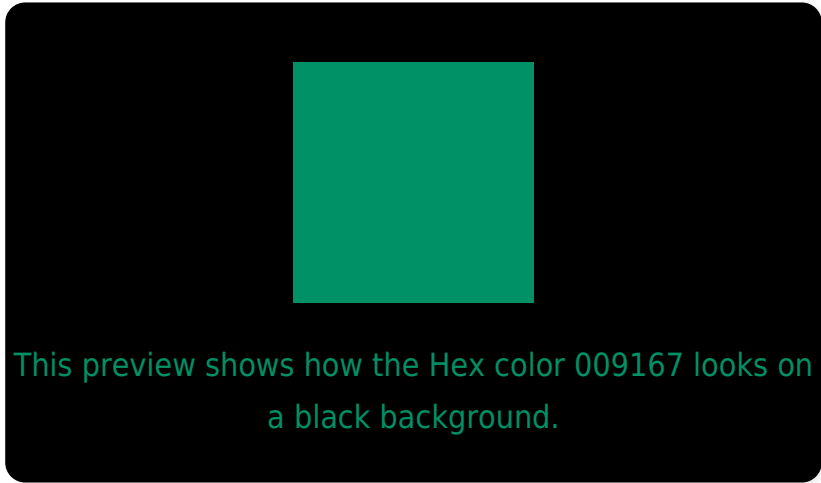
Large Text (above 18pt) WCAG AA ✓ Pass

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 009167 Background



This preview shows how black text looks on a background with the Hex color 009167.

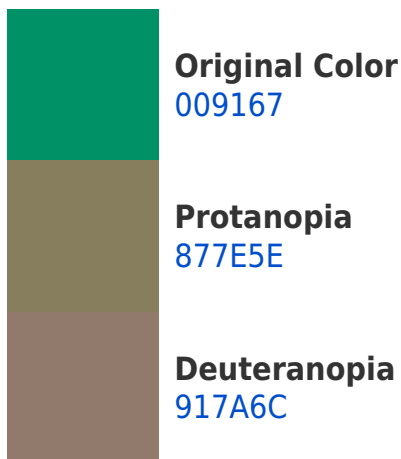


This preview shows how white text looks on a background with the Hex color 009167.

# 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**  
308B96

# Trichromacy



**Original Color**  
009167



**Protanomaly**  
568561



**Deuteranomaly**  
5C826A



**Tritanomaly**  
1F8D85

# Monochromacy



**Original Color**  
009167



**Achromatopsia**  
616161



**Achromatomaly**  
3E7263

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009167 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 #009167 looks like.

```
.text, #text, p{  
    color:#009167  
}
```

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 #009167 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009167
}
```

## Border

The CSS property to change the border of an element to Hex 009167 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
#009167 }
```

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

```
.border{ border-color:#009167 }
```

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

Here you see how a box with a 4 pixel #009167 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009167; -webkit-box-shadow:4px 4px  
4px 4px #009167; box-shadow:4px 4px 4px  
4px #009167 }
```

# Background

The CSS property to change the background color of an element to Hex 009167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009167 }
```

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

```
.background{ background-color:#009167 }
```

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