

# Converting Colors

Hex(009471)

Have a look what the booklet for  
Hex(009471) contains.

|  |    |
|--|----|
| <b>Hex(009471)</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(009471)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                |
|---------------|-----------------------------|
| Hex           | 009471                      |
| RGB           | 0, 148, 113                 |
| RGB Percent   | 0%, 58%, 44%                |
| CMY           | 1.0000, 0.4196, 0.5569      |
| CMYK          | 1.00, 0.00, 0.24, 0.42      |
| HSL           | 166°, 100%, 29%             |
| HSV           | 166°, 100%, 58%             |
| XYZ           | 13.5705, 22.3721, 19.2258   |
| YIQ           | 99.7580, -76.9730, -42.2610 |

# Conversions

## Conversions Part 2

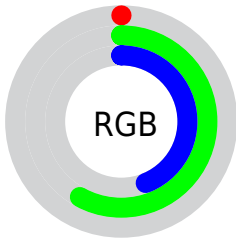
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>RYB</b>                          | 0, 84, 148                   |
| Decimal                             | 38001                        |
| CIELab                              | 54.42, -42.20, 9.21          |
| CIELCh                              | 54, 43.196, 167.689          |
| Yxy                                 | 22.3721, 0.2460,<br>0.4055   |
| Android<br>(android.graphics.Color) | 4278228081<br>(0xFF009471)   |
| YUV                                 | 99.7580, 6.5283,<br>-87.4878 |
| Hunter-Lab                          | 47.2991, -31.5602,<br>9.0096 |

# Details

The Hex color **009471** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **940023**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **56CBA5**, and **006041** is the 20% darker color. If you saturate the color by 10%, you get **009471**, and if you desaturate by 10%, it is **0F9474**.

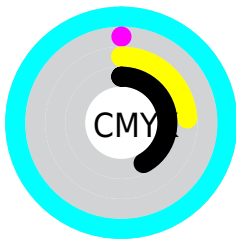
# Distribution



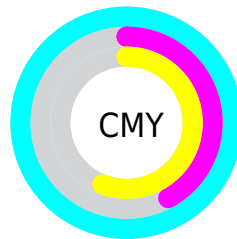
- Red (0%)
- Green (58%)
- Blue (44%)



- Red (0%)
- Yellow (33%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 009471 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 009471 by changing the saturation by 10% instead.



 009471

 009471

FFFFFF

 007A59

 56CBA5

 006041

 73E7C0

 00472B

 91FFDC

 003016

 AEFFF8

 001800

 CBFFFF

 000000

 E9FFFF

 009471

 0F9474

 1E9478

 2C947B

 3B947F

 4A9483

 599486

 68948A

 76948D

 859491

# Harmonies

## Analogous

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



578F4E



009471



009598

# Triad

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



009471



6B7EC9



BE6D4C

# Complementary

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



009471



940023

# 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.



C8636D



009471



A170B5

# Square

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



009471



008BCB



BF6493



A57B37

# Rectangle

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



009471



0093AF



BF6493



C36956



# Sweetspot

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



009471



86BFB2



259400



3E6159



E0E0E0



616161



# Same Dimension

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



009471



00BF92



006F94



434A48



008A69



000A08



# Inverse Universe

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



940023



BF002D



942500



4A4344



8A0021



0A0002



# Previews

## White Background



This preview shows how the Hex color 009471 looks on a white background.

## Color Contrast Check

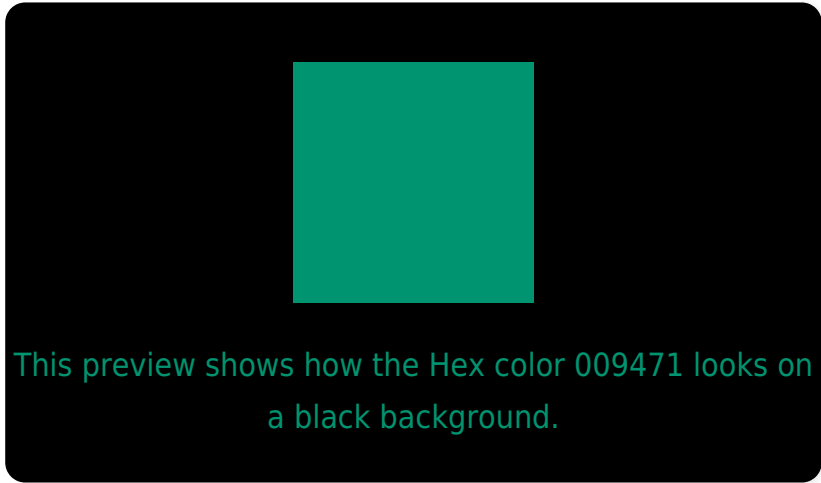
Large Text (above 18pt) WCAG AA ✓ Pass

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 009471 Background



This preview shows how black text looks on a background with the Hex color 009471.

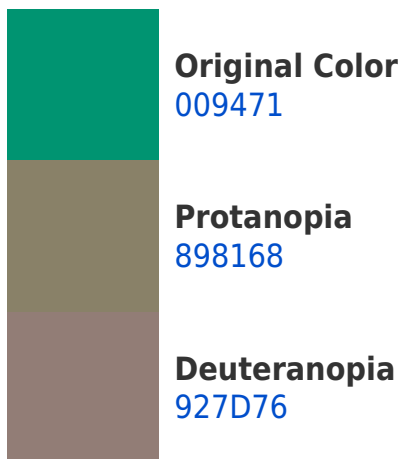


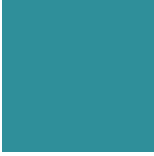
This preview shows how white text looks on a background with the Hex color 009471.

# 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**  
2F8F9A

# Trichromacy



**Original Color**  
009471



**Protanomaly**  
57886B



**Deuteranomaly**  
5D8574



**Tritanomaly**  
1E918B

# Monochromacy



**Original Color**  
009471



**Achromatopsia**  
646464



**Achromatomaly**  
407569

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009471 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 #009471 looks like.

```
.text, #text, p{  
    color:#009471  
}
```

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 #009471 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009471
}
```

## Border

The CSS property to change the border of an element to Hex 009471 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
#009471 }
```

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

```
.border{ border-color:#009471 }
```

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

Here you see how a box with a 4 pixel #009471 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009471; -webkit-box-shadow:4px 4px  
4px 4px #009471; box-shadow:4px 4px 4px  
4px #009471 }
```

# Background

The CSS property to change the background color of an element to Hex 009471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009471 }
```

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

```
.background{ background-color:#009471 }
```

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