

Converting Colors

Hex(009768)

Have a look what the booklet for
Hex(009768) contains.

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Color

Hex(009768)

Conversions

Conversions Part 1

Format	Color
Hex	009768
RGB	0, 151, 104
RGB Percent	0%, 59%, 41%
CMY	1.0000, 0.4078, 0.5922
CMYK	1.00, 0.00, 0.31, 0.41
HSL	161°, 100%, 30%
HSV	161°, 100%, 59%
XYZ	13.5653, 23.1327, 16.8468
YIQ	100.4930, -74.9090, -46.6290

Conversions

Conversions Part 2

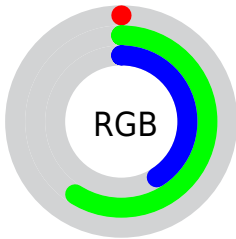
Format	Color
RYB	0, 89, 151
Decimal	38760
CIELab	55.21, -45.64, 15.40
CIELCh	55, 48.167, 161.349
Yxy	23.1327, 0.2533, 0.4320
Android (android.graphics.Color)	4278228840 (0xFF009768)
YUV	100.4930, 1.7290, -88.1324
Hunter-Lab	48.0965, -33.8240, 12.9000

Details

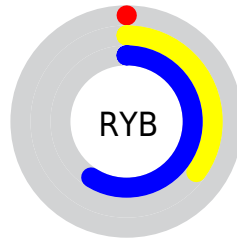
The Hex color **009768** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **97002F**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **56CE9B**, and **006339** is the 20% darker color. If you saturate the color by 10%, you get **009768**, and if you desaturate by 10%, it is **0F976D**.

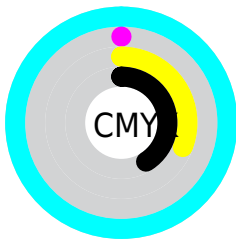
Distribution



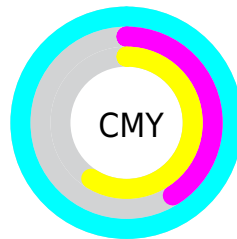
- Red (0%)
- Green (59%)
- Blue (41%)



- Red (0%)
- Yellow (35%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (41%)



- Cyan (100%)
- Magenta (41%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Hex color 009768 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 009768 by changing the saturation by 10% instead.

 009768

 009768

FFFFFF

 007C50

 56CE9B

 006339

 74EBB6

 004A23

 91FFD2

 00320E

 AEFEE

 001B00

 CCFFF

 000000

 EAFFF

 009768

 0F976D

 1E9771

 2D9776

 3C977B

 4C9780

 5B9784

 6A9789

 79978E

 889792

Harmonies

Analogous

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



5F9142



009768



009993

Triad

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



009768



5583D6



CA694F

Complementary

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



009768



97002F

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.



D15F76



009768



9B73C3

Square

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



009768



0090D3



C363A0



B17933

Rectangle

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



009768



0098AE



C363A0



CE645B

Sweetspot

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



009768



89C4B2



309700



406358



E3E3E3



636363

Same Dimension

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



009768



00C487



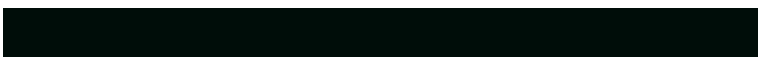
007B97



454D4A



008C61



000D09

Inverse Universe

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



97002F



C4003D



971C00



4D4547



8C002C



0D0004

Previews

White Background



This preview shows how the Hex color 009768 looks on a white background.

Color Contrast Check

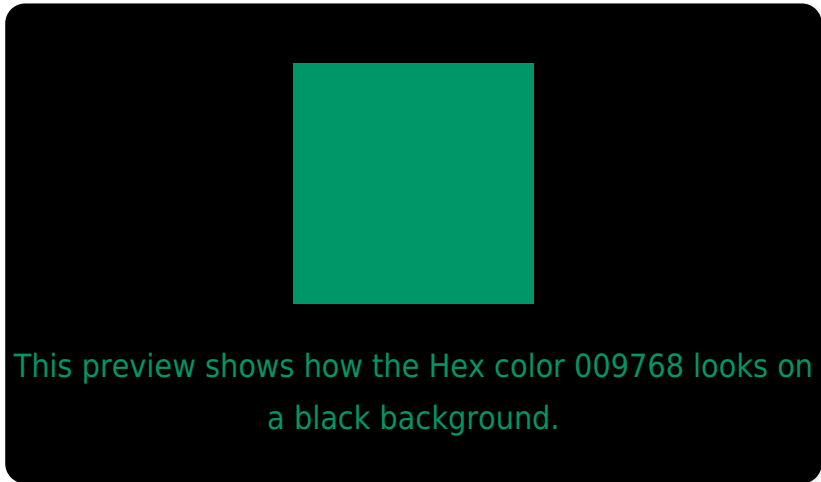
Large Text (above 18pt) WCAG AA ✓ Pass

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

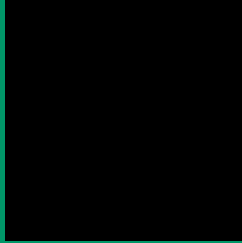
Any Text WCAG AA ✓ Pass

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 009768 Background



This preview shows how black text looks on a background with the Hex color 009768.

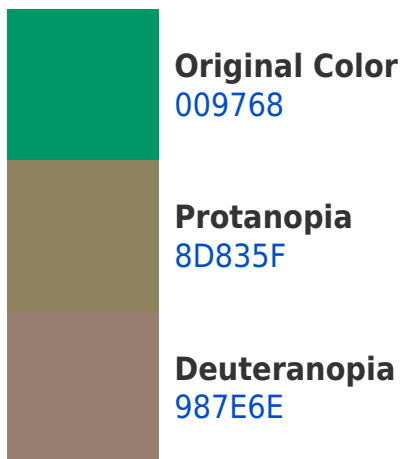


This preview shows how white text looks on a background with the Hex color 009768.

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
33909C

Trichromacy



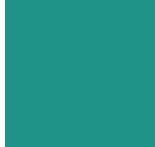
Original Color
009768



Protanomaly
5A8A62



Deuteranomaly
61876C



Tritanomaly
209389

Monochromacy



Original Color
009768



Achromatopsia
646464



Achromatomaly
407765

CSS Examples

Text

The CSS property to change the color of the text to Hex 009768 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 #009768 looks like.

```
.text, #text, p{  
    color:#009768  
}
```

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 #009768 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009768
}
```

Border

The CSS property to change the border of an element to Hex 009768 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
#009768 }
```

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

```
.border{ border-color:#009768 }
```

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

Here you see how a box with a 4 pixel #009768 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009768; -webkit-box-shadow:4px 4px  
4px 4px #009768; box-shadow:4px 4px 4px  
4px #009768 }
```

Background

The CSS property to change the background color of an element to Hex 009768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009768 }
```

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

```
.background{ background-color:#009768 }
```

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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