

# Converting Colors

Hex(007069)

Have a look what the booklet for  
Hex(007069) contains.

<b>Hex(007069)</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(007069)

# Conversions

## Conversions Part 1

Format	Color
Hex	007069
RGB	0, 112, 105
RGB Percent	0%, 44%, 41%
CMY	1.0000, 0.5608, 0.5882
CMYK	1.00, 0.00, 0.06, 0.56
HSL	176°, 100%, 22%
HSV	176°, 100%, 44%
XYZ	8.3440, 12.6083, 15.3585
YIQ	77.7140, -64.5050, -25.9210

# Conversions

## Conversions Part 2

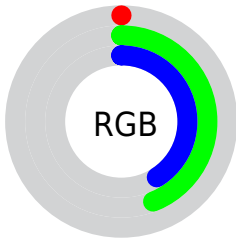
Format	Color
<b>RYB</b>	0, 58, 112
Decimal	28777
CIELab	42.17, -28.50, -3.82
CIELCh	42, 28.756, 187.638
Yxy	12.6083, 0.2298, 0.3472
Android (android.graphics.Color)	4278218857 (0xFF007069)
YUV	77.7140, 13.4520, -68.1552
Hunter-Lab	35.5081, -20.1939, -0.7893

# Details

The Hex color **007069** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **700007**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **4CA49C**, and **003F3A** is the 20% darker color. If you saturate the color by 10%, you get **007069**, and if you desaturate by 10%, it is **0B706A**.

# Distribution



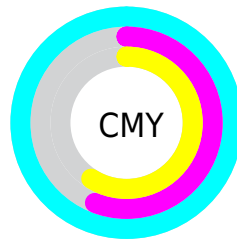
- Red (0%)
- Green (44%)
- Blue (41%)



- Red (0%)
- Yellow (23%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (56%)



- Cyan (100%)
- Magenta (56%)
- Yellow (59%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007069 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 007069 by changing the saturation by 10% instead.



 007069

 007069

FFFFFF

 005751


 4CA49C

 003F3A

 68C0B7

 002925

 84DCD3

 000F10

 A0F8EF

 000000

 BDFFFF

 DAFFFF

 F7FFFF

 007069

 0B706A

 16706A

 22706B

 2D706C

 38706D

 43706D

 4E706E

 5A706F

 65706F

# Harmonies

## Analogous

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



356F51



007069



006F80

# Triad

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



007069



6E5B89



815C38

# Complementary

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



007069



700007

# 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.



8E5448



007069



865376

# Square

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



007069



4A6492



91505E



6D6434

# Rectangle

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



007069



006C8B



91505E



87593C



# Sweetspot

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



007069



66918F



077000



2F4A48



C9C9C9



4A4A4A



# Same Dimension

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



007069



009188



003F70



323838



007870



00F7E8



# Inverse Universe

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



700007



910009



703100



383233



780007



F7000F



# Previews

## White Background



This preview shows how the Hex color 007069 looks on a white background.

## Color Contrast Check

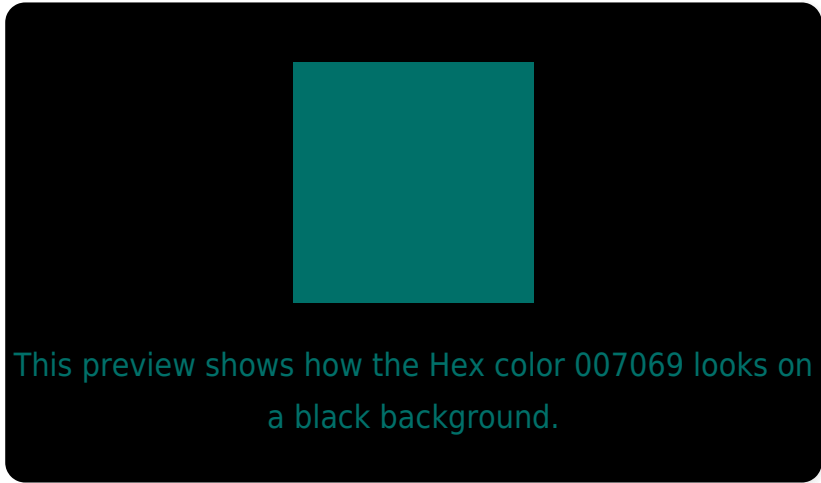
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

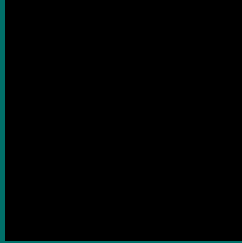
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 007069 Background



This preview shows how black text looks on a background with the Hex color 007069.

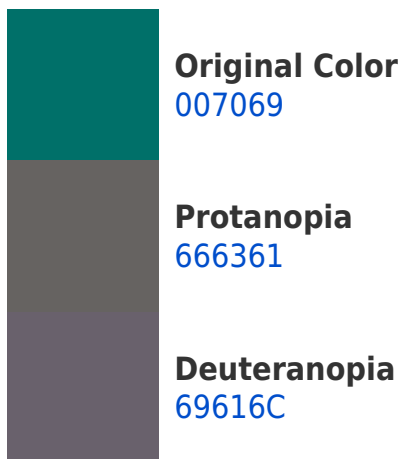


This preview shows how white text looks on a background with the Hex color 007069.

# 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**  
1A6E77

# Trichromacy



**Original Color**  
007069

**Protanomaly**  
416864

**Deuteranomaly**  
43666B

**Tritanomaly**  
116F72

# Monochromacy



**Original Color**  
007069

**Achromatopsia**  
4E4E4E

**Achromatomaly**  
325A58

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007069 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 #007069 looks like.

```
.text, #text, p{  
    color:#007069  
}
```

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 #007069 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007069
}
```

## Border

The CSS property to change the border of an element to Hex 007069 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
#007069 }
```

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

```
.border{ border-color:#007069 }
```

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

Here you see how a box with a 4 pixel #007069 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007069; -webkit-box-shadow:4px 4px  
4px 4px #007069; box-shadow:4px 4px 4px  
4px #007069 }
```

# Background

The CSS property to change the background color of an element to Hex 007069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007069 }
```

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

```
.background{ background-color:#007069 }
```

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