

# Converting Colors

Hex(007C66)

Have a look what the booklet for  
Hex(007C66) contains.

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# Color

Hex(007C66)

# Conversions

## Conversions Part 1

Format	Color
Hex	007C66
RGB	0, 124, 102
RGB Percent	0%, 49%, 40%
CMY	1.0000, 0.5137, 0.6000
CMYK	1.00, 0.00, 0.18, 0.51
HSL	169°, 100%, 24%
HSV	169°, 100%, 49%
XYZ	9.6059, 15.3746, 15.0317
YIQ	84.4160, -66.8420, -33.1300

# Conversions

## Conversions Part 2

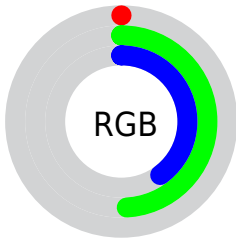
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 68, 124
Decimal	31846
CIELab	46.14, -34.96, 3.78
CIELCh	46, 35.161, 173.834
Yxy	15.3746, 0.2401, 0.3842
Android (android.graphics.Color)	4278221926 (0xFF007C66)
YUV	84.4160, 8.6689, -74.0328
Hunter-Lab	39.2105, -24.8887, 4.7180

# Details

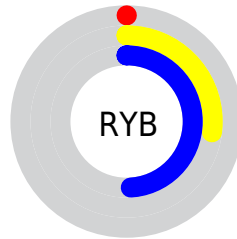
The Hex color **007C66** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7C0016**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **4EB199**, and **004A37** is the 20% darker color. If you saturate the color by 10%, you get **007C66**, and if you desaturate by 10%, it is **0C7C68**.

# Distribution



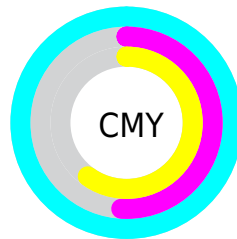
- Red (0%)
- Green (49%)
- Blue (40%)



- Red (0%)
- Yellow (27%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (51%)



- Cyan (100%)
- Magenta (51%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007C66 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 007C66 by changing the saturation by 10% instead.



007C66

007C66

FFFFFF

00634E

4EB199

004A37

6BCDB4

003322

87EACF

001E0C

A4FFEB

000000

C1FFFF

DEFFFF

FCFFFF

007C66

 0C7C68

 197C6A

 257C6D

 327C6F

 3E7C71

 4A7C73

 577C75

 637C78

 707C7A

# Harmonies

## Analogous

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



447949



007C66



007C84

# Triad

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



007C66



6668A3



9A5F3F

# Complementary

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



007C66



7C0016

# 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.



A55657



007C66



8C5D90

# Square

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



007C66



2A72A8



A15575



846A31

# Rectangle

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



007C66



007A95



A15575



9F5C46



# Sweetspot

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



007C66



70A198



177C00



34524C



D1D1D1



525252



# Same Dimension

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



007C66



00A184



00557C



373D3C



007D67



00FCD0



# Inverse Universe

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



7C0016



A1001D



7C2700



3D3738



7D0016



FC002D



# Previews

## White Background



This preview shows how the Hex color 007C66 looks on a white background.

## Color Contrast Check

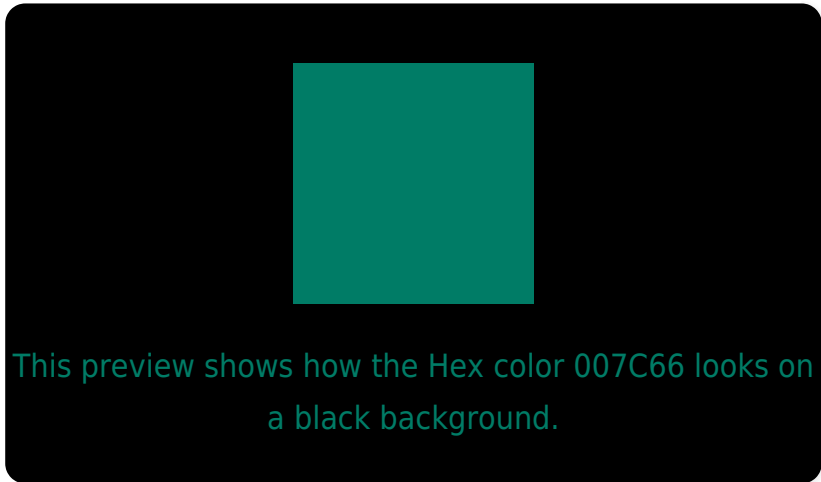
Large Text (above 18pt) WCAG AA ✓ Pass

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

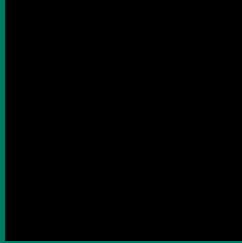
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 007C66 Background



This preview shows how black text looks on a background with the Hex color 007C66.

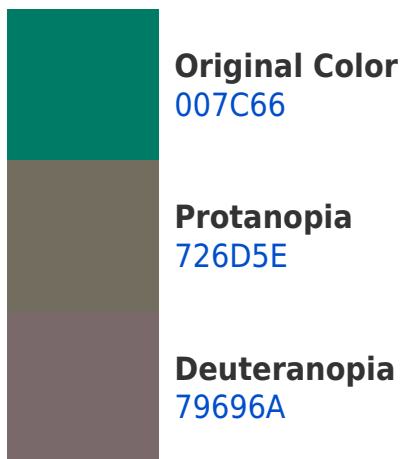


This preview shows how white text looks on a background with the Hex color 007C66.

# 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





# Trichromacy



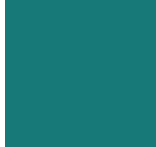
**Original Color**  
007C66



**Protanomaly**  
497261



**Deuteranomaly**  
4D7069



**Tritanomaly**  
177978

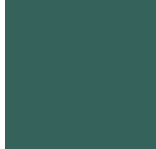
# Monochromacy



**Original Color**  
007C66



**Achromatopsia**  
545454



**Achromatomaly**  
35635B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007C66 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 #007C66 looks like.

```
.text, #text, p{  
    color:#007C66  
}
```

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 #007C66 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007C66
}
```

## Border

The CSS property to change the border of an element to Hex 007C66 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
#007C66 }
```

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

```
.border{ border-color:#007C66 }
```

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

Here you see how a box with a 4 pixel #007C66 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007C66; -webkit-box-shadow:4px 4px  
4px 4px #007C66; box-shadow:4px 4px 4px  
4px #007C66 }
```

# Background

The CSS property to change the background color of an element to Hex 007C66 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007C66 }
```

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

```
.background{ background-color:#007C66 }
```

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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