

# Converting Colors

Hex(007561)

Have a look what the booklet for  
Hex(007561) contains.

<b>Hex(007561)</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(007561)**

# Conversions

## Conversions Part 1

Format	Color
Hex	007561
RGB	0, 117, 97
RGB Percent	0%, 46%, 38%
CMY	1.0000, 0.5412, 0.6196
CMYK	1.00, 0.00, 0.17, 0.54
HSL	170°, 100%, 23%
HSV	170°, 100%, 46%
XYZ	8.5190, 13.5856, 13.4826
YIQ	79.7370, -63.3120, -31.0240

# Conversions

## Conversions Part 2

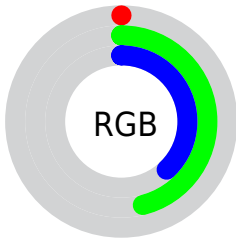
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 64, 117
Decimal	30049
CIELab	43.63, -33.28, 3.13
CIELCh	44, 33.423, 174.628
Yxy	13.5856, 0.2394, 0.3818
Android (android.graphics.Color)	4278220129 (0xFF007561)
YUV	79.7370, 8.5107, -69.9293
Hunter-Lab	36.8587, -23.2470, 4.1134

# Details

The Hex color **007561** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **750014**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **4CAA94**, and **004433** is the 20% darker color. If you saturate the color by 10%, you get **007561**, and if you desaturate by 10%, it is **0C7563**.

# Distribution



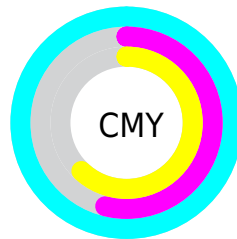
- Red (0%)
- Green (46%)
- Blue (38%)



- Red (0%)
- Yellow (25%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (54%)



- Cyan (100%)
- Magenta (54%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007561 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 007561 by changing the saturation by 10% instead.



 007561

 007561

FFFFFF

 005C49

 4CAA94

 004433

 68C5AE

 002D1E

 85E2C9

 001505

 A1FEE6

 000000

 BDFFFF

 DAFFFF

 F8FFFF

 007561

 0C7563

 177565

 237567

 2F7569

 3B756B

 46756D

 52756F

 5E7571

 697573

# Harmonies

## Analogous

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



407246



007561



00757D

# Triad

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



007561



626299



915A3B

# Complementary

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



007561



750014

# 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.



9B5252



007561



855788

# Square

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



007561



2A6B9E



98516D



7C642F

# Rectangle

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



007561



00738D



98516D



965741



# Sweetspot

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



007561



6B9991



157500



314D48



CCCCCC



4D4D4D



# Same Dimension

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



007561



00997F



005075



353B3A



007A65



00FACF



# Inverse Universe

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



750014



99001A



752500



3B3536



7A0015



FA002B



# Previews

## White Background



This preview shows how the Hex color 007561 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

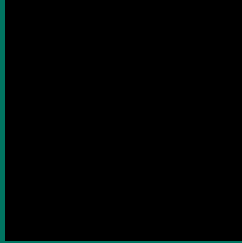
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 007561 Background



This preview shows how black text looks on a background with the Hex color 007561.

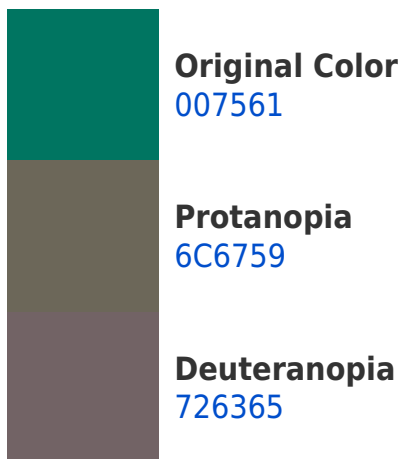


This preview shows how white text looks on a background with the Hex color 007561.

# 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**  
22717B

# Trichromacy



**Original Color**  
007561



**Protanomaly**  
456C5C



**Deuteranomaly**  
496A64



**Tritanomaly**  
167272

# Monochromacy



**Original Color**  
007561



**Achromatopsia**  
505050



**Achromatomaly**  
335D56

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007561 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 #007561 looks like.

```
.text, #text, p{  
    color:#007561  
}
```

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 #007561 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007561
}
```

## Border

The CSS property to change the border of an element to Hex 007561 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
#007561 }
```

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

```
.border{ border-color:#007561 }
```

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

Here you see how a box with a 4 pixel #007561 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007561; -webkit-box-shadow:4px 4px  
4px 4px #007561; box-shadow:4px 4px 4px  
4px #007561 }
```

# Background

The CSS property to change the background color of an element to Hex 007561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007561 }
```

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

```
.background{ background-color:#007561 }
```

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