

# Converting Colors

Hex(007F61)

Have a look what the booklet for  
Hex(007F61) contains.

<b>Hex(007F61)</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(007F61)**

# Conversions

## Conversions Part 1

Format	Color
Hex	007F61
RGB	0, 127, 97
RGB Percent	0%, 50%, 38%
CMY	1.0000, 0.5020, 0.6196
CMYK	1.00, 0.00, 0.24, 0.50
HSL	166°, 100%, 25%
HSV	166°, 100%, 50%
XYZ	9.7470, 16.0418, 13.8919
YIQ	85.6070, -66.0620, -36.2540

# Conversions

## Conversions Part 2

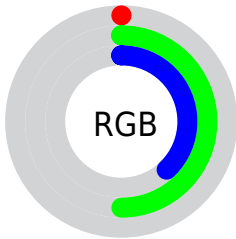
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 72, 127
Decimal	32609
CIELab	47.03, -37.64, 7.99
CIELCh	47, 38.481, 168.022
Yxy	16.0418, 0.2456, 0.4043
Android (android.graphics.Color)	4278222689 (0xFF007F61)
YUV	85.6070, 5.6167, -75.0773
Hunter-Lab	40.0522, -26.6520, 7.4721

# Details

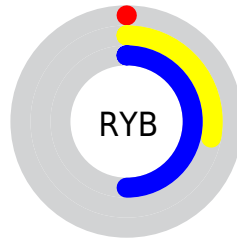
The Hex color **007F61** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7F001E**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **4FB594**, and **004D33** is the 20% darker color. If you saturate the color by 10%, you get **007F61**, and if you desaturate by 10%, it is **0D7F64**.

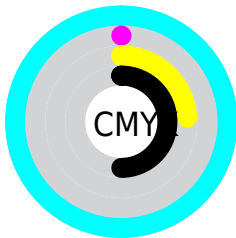
# Distribution



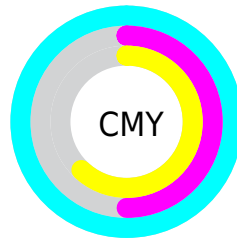
- Red (0%)
- Green (50%)
- Blue (38%)



- Red (0%)
- Yellow (28%)
- Blue (50%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (50%)



- Cyan (100%)
- Magenta (50%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007F61 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 007F61 by changing the saturation by 10% instead.



 007F61

 007F61

FFFFFF

 006549

 4FB594

 004D33

 6CD0AE

 00351E

 88EDCA

 002005

 A4FFE6

 000000

 C1FFFF

 DFFFFFF

 FFFFFFF

 007F61

 0D7F64

 197F67

 267F6A

 337F6D

 407F70

 4C7F73

 597F76

 667F79

 727F7C

# Harmonies

## Analogous

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



4A7B43



007F61



008082

# Triad

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



007F61



5C6CAD



A35D41

# Complementary

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



007F61



7F001E

# 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.



AC555D



007F61



8A5F9B

# Square

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



007F61



0077AE



A5557E



8D692F

# Rectangle

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



007F61



007E96



A5557E



A85A49



# Sweetspot

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



007F61



74A69A



207F00



36544D



D4D4D4



545454



# Same Dimension

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



007F61



00A67F



005F7F



39403E



008061



000000



# Inverse Universe

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



7F001E



A60027



7F2000



40393B



80001E



000000



# Previews

## White Background



This preview shows how the Hex color 007F61 looks on a white background.

## Color Contrast Check

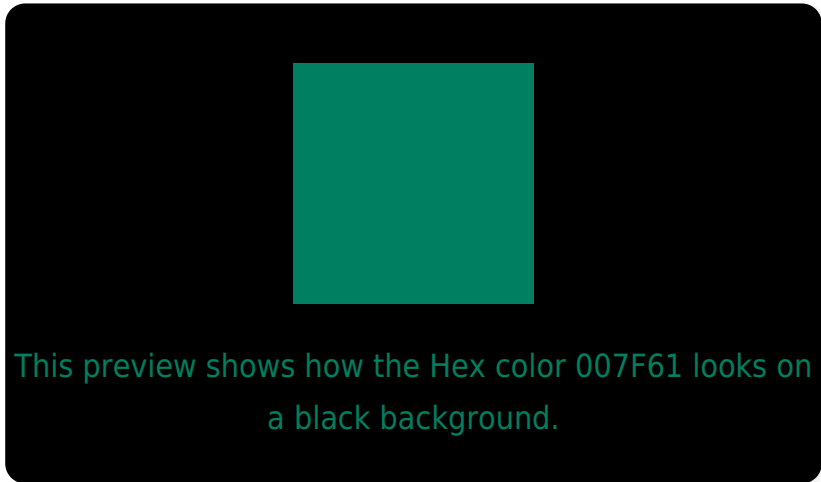
Large Text (above 18pt) WCAG AA ✓ Pass

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 007F61 Background



This preview shows how black text looks on a background with the Hex color 007F61.

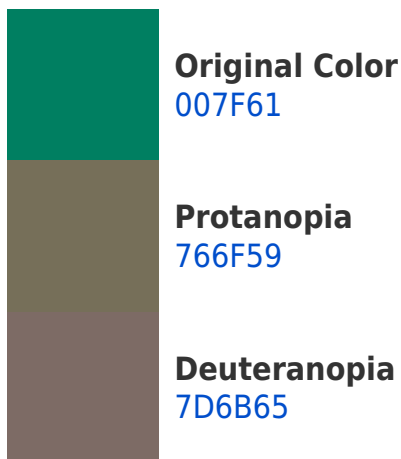


This preview shows how white text looks on a background with the Hex color 007F61.

# 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**  
287A84

# Trichromacy



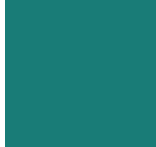
**Original Color**  
007F61



**Protanomaly**  
4B755C



**Deuteranomaly**  
507264



**Tritanomaly**  
197C77

# Monochromacy



**Original Color**  
007F61



**Achromatopsia**  
565656



**Achromatomaly**  
37655A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007F61 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 #007F61 looks like.

```
.text, #text, p{  
    color:#007F61  
}
```

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 #007F61 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007F61
}
```

## Border

The CSS property to change the border of an element to Hex 007F61 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
#007F61 }
```

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

```
.border{ border-color:#007F61 }
```

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

Here you see how a box with a 4 pixel #007F61 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007F61; -webkit-box-shadow:4px 4px  
4px 4px #007F61; box-shadow:4px 4px 4px  
4px #007F61 }
```

# Background

The CSS property to change the background color of an element to Hex 007F61 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007F61 }
```

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

```
.background{ background-color:#007F61 }
```

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