

# Converting Colors

Hex(007D5F)

Have a look what the booklet for  
Hex(007D5F) contains.

|  |    |
|--|----|
| <b>Hex(007D5F)</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(007D5F)

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                |
|---------------|-----------------------------|
| Hex           | 007D5F                      |
| RGB           | 0, 125, 95                  |
| RGB Percent   | 0%, 49%, 37%                |
| CMY           | 1.0000, 0.5098, 0.6275      |
| CMYK          | 1.00, 0.00, 0.24, 0.51      |
| HSL           | 166°, 100%, 25%             |
| HSV           | 166°, 100%, 49%             |
| XYZ           | 9.3992, 15.4935, 13.3216    |
| YIQ           | 84.2050, -64.8700, -35.8300 |

# Conversions

## Conversions Part 2

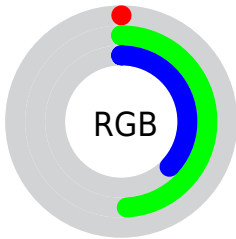
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>RYB</b>                          | 0, 71, 125                   |
| Decimal                             | 32095                        |
| CIELab                              | 46.30, -37.33, 8.13          |
| CIELCh                              | 46, 38.204, 167.712          |
| Yxy                                 | 15.4935, 0.2460,<br>0.4054   |
| Android<br>(android.graphics.Color) | 4278222175<br>(0xFF007D5F)   |
| YUV                                 | 84.2050, 5.3219,<br>-73.8478 |
| Hunter-Lab                          | 39.3617, -26.2591,<br>7.4870 |

# Details

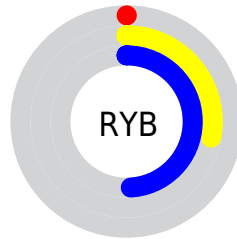
The Hex color **007D5F** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7D001E**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **4EB291**, and **004B31** is the 20% darker color. If you saturate the color by 10%, you get **007D5F**, and if you desaturate by 10%, it is **0C7D62**.

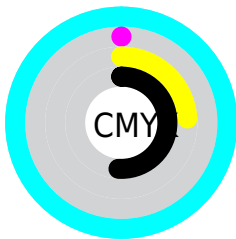
# Distribution



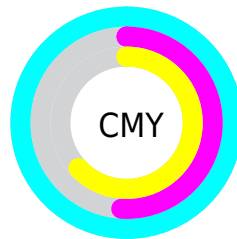
- Red (0%)
- Green (49%)
- Blue (37%)



- Red (0%)
- Yellow (28%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (51%)



- Cyan (100%)
- Magenta (51%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007D5F 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 007D5F by changing the saturation by 10% instead.



 007D5F

 007D5F

FFFFFF

 006347

 4EB291

 004B31

 6BCEAC

 00331C

 87EBC7

 001E02

 A4FFE3

 000000

 C0FFFF

 DEFFFF

 FBFFFF

 007D5F

 0C7D62

 197D65

 267D68

 327D6B

 3F7D6E

 4B7D71

 577D74

 647D77

 717D7A

# Harmonies

## Analogous

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



497941



007D5F



007E80

# Triad

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



007D5F



5A6AAB



A15B40

# Complementary

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



007D5F



7D001E

# 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.



AA535C



007D5F



885E99

# Square

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



007D5F



0075AC



A2547C



8C672E

# Rectangle

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



007D5F



007D94



A2547C



A55848



# Sweetspot

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



007D5F



72A397



1F7D00



34524B



D1D1D1



525252



# Same Dimension

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



007D5F



00A37C



005E7D



39403E



008061



000000



# Inverse Universe

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



7D001E



A30027



7D1F00



40393B



80001F



000000



# Previews

## White Background



This preview shows how the Hex color 007D5F looks on a white background.

## Color Contrast Check

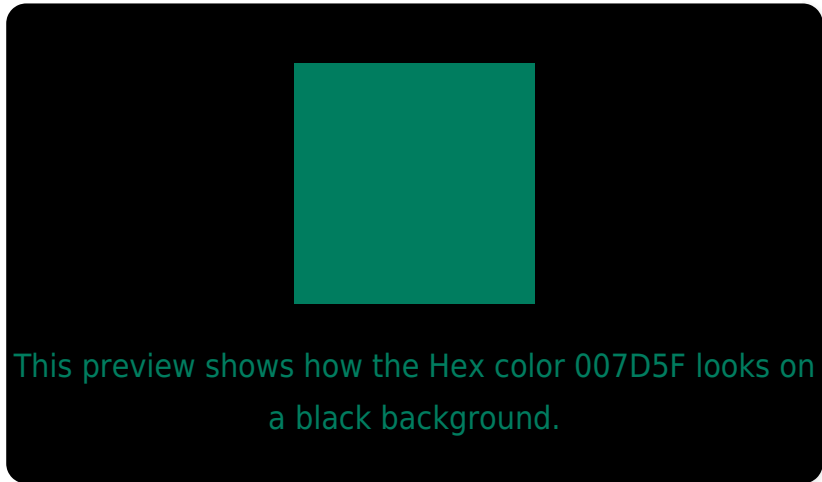
Large Text (above 18pt) WCAG AA ✓ Pass

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 007D5F Background



This preview shows how black text looks on a background with the Hex color 007D5F.

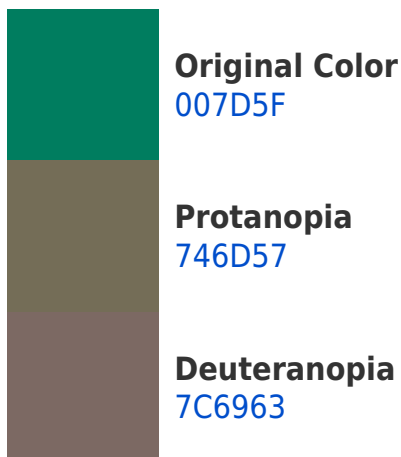


This preview shows how white text looks on a background with the Hex color 007D5F.

# 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**  
287882

# Trichromacy



**Original Color**  
007D5F



**Protanomaly**  
4A735A



**Deuteranomaly**  
4F7062



**Tritanomaly**  
197A75

# Monochromacy



**Original Color**  
007D5F



**Achromatopsia**  
545454



**Achromatomaly**  
356358

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007D5F 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 #007D5F looks like.

```
.text, #text, p{  
    color:#007D5F  
}
```

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 #007D5F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007D5F
}
```

## Border

The CSS property to change the border of an element to Hex 007D5F 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
#007D5F }
```

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

```
.border{ border-color:#007D5F }
```

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

Here you see how a box with a 4 pixel #007D5F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007D5F; -webkit-box-shadow:4px 4px  
4px 4px #007D5F; box-shadow:4px 4px 4px  
4px #007D5F }
```

# Background

The CSS property to change the background color of an element to Hex 007D5F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007D5F }
```

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

```
.background{ background-color:#007D5F }
```

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