

# Converting Colors

Hex(007568)

Have a look what the booklet for  
Hex(007568) contains.

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# Color

**Hex(007568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	007568
RGB	0, 117, 104
RGB Percent	0%, 46%, 41%
CMY	1.0000, 0.5412, 0.5922
CMYK	1.00, 0.00, 0.11, 0.54
HSL	173°, 100%, 23%
HSV	173°, 100%, 46%
XYZ	8.8600, 13.7221, 15.2784
YIQ	80.5350, -65.5590, -28.8470

# Conversions

## Conversions Part 2

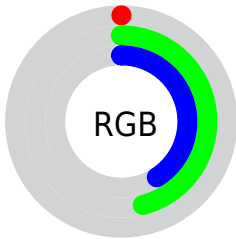
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 62, 117
Decimal	30056
CIELab	43.83, -31.19, -0.77
CIELCh	44, 31.196, 181.416
Yxy	13.7221, 0.2340, 0.3624
Android (android.graphics.Color)	4278220136 (0xFF007568)
YUV	80.5350, 11.5682, -70.6292
Hunter-Lab	37.0433, -22.1323, 1.4764

# Details

The Hex color **007568** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **75000D**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **4DAA9B**, and **004439** is the 20% darker color. If you saturate the color by 10%, you get **007568**, and if you desaturate by 10%, it is **0C7569**.

# Distribution



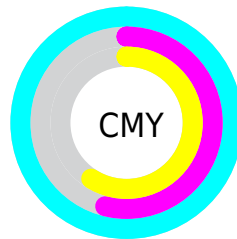
- Red (0%)
- Green (46%)
- Blue (41%)



- Red (0%)
- Yellow (24%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (54%)



- Cyan (100%)
- Magenta (54%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007568 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 007568 by changing the saturation by 10% instead.



 007568

 007568

FFFFFF

 005C50

 4DAA9B

 004439

 69C5B6

 002D24

 85E1D1

 00160F

 A2FEEE

 000000

 BEFFFF

 DBFFFF

 F9FFFF

 007568

 0C7569

 17756B

 23756C

 2F756D

 3B756F

 467570

 527571

 5E7572

 697574

# Harmonies

## Analogous

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



3B734E



007568



007482

# Triad

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



007568



6B6094



8B5D3B

# Complementary

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



007568



75000D

# 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.



98554E



007568



895781

# Square

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



007568



406A9B



975367



766733

# Rectangle

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



007568



00728F



975367



915A40



# Sweetspot

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



007568



6B9994



0E7500



314D49



CCCCCC



4D4D4D



# Same Dimension

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



007568



009988



004875



353B3A



007A6D



00FADE



# Inverse Universe

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



75000D



990011



752D00



3B3535



7A000E



FA001C



# Previews

## White Background



This preview shows how the Hex color 007568 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

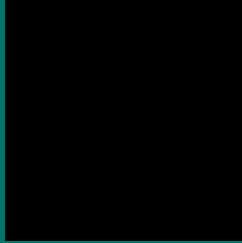
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 007568 Background



This preview shows how black text looks on a background with the Hex color 007568.

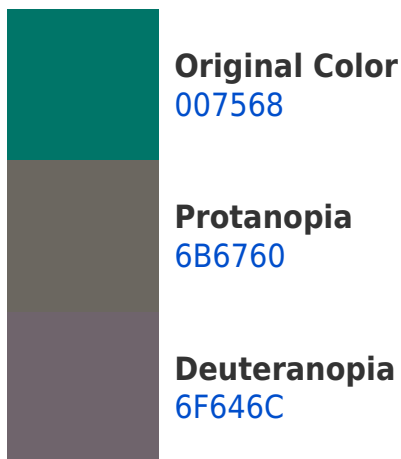


This preview shows how white text looks on a background with the Hex color 007568.

# 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**  
1E727B

# Trichromacy



**Original Color**  
007568



**Protanomaly**  
446C63



**Deuteranomaly**  
476A6B



**Tritanomaly**  
137374

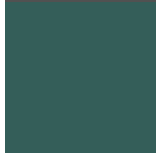
# Monochromacy



**Original Color**  
007568



**Achromatopsia**  
515151



**Achromatomaly**  
345E59

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007568 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 #007568 looks like.

```
.text, #text, p{  
    color:#007568  
}
```

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 #007568 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007568  
}
```

## Border

The CSS property to change the border of an element to Hex 007568 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  
#007568 }
```

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

```
.border{ border-color:#007568 }
```

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

Here you see how a box with a 4 pixel #007568 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007568; -webkit-box-shadow:4px 4px  
4px 4px #007568; box-shadow:4px 4px 4px  
4px #007568 }
```

# Background

The CSS property to change the background color of an element to Hex 007568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007568 }
```

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

```
.background{ background-color:#007568 }
```

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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