

# Converting Colors

Hex(007156)

Have a look what the booklet for  
Hex(007156) contains.

<b>Hex(007156)</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(007156)**

# Conversions

## Conversions Part 1

Format	Color
Hex	007156
RGB	0, 113, 86
RGB Percent	0%, 44%, 34%
CMY	1.0000, 0.5569, 0.6627
CMYK	1.00, 0.00, 0.24, 0.56
HSL	166°, 100%, 22%
HSV	166°, 100%, 44%
XYZ	7.5848, 12.4821, 10.8136
YIQ	76.1350, -58.6810, -32.3530

# Conversions

## Conversions Part 2

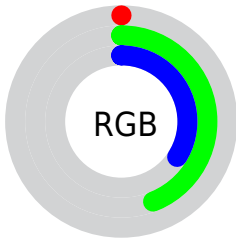
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 64, 113
Decimal	29014
CIELab	41.97, -34.62, 7.33
CIELCh	42, 35.384, 168.039
Yxy	12.4821, 0.2456, 0.4042
Android (android.graphics.Color)	4278219094 (0xFF007156)
YUV	76.1350, 4.8634, -66.7704
Hunter-Lab	35.3301, -23.5063, 6.5839

# Details

The Hex color **007156** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **71001B**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **4AA688**, and **004029** is the 20% darker color. If you saturate the color by 10%, you get **007156**, and if you desaturate by 10%, it is **0B7159**.

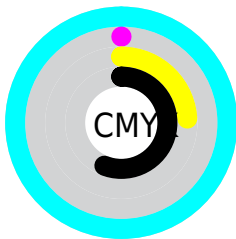
# Distribution



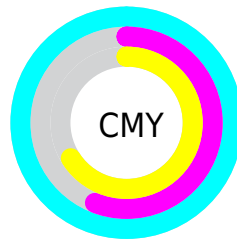
- Red (0%)
- Green (44%)
- Blue (34%)



- Red (0%)
- Yellow (25%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (56%)



- Cyan (100%)
- Magenta (56%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007156 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 007156 by changing the saturation by 10% instead.



 007156

 007156

FFFFFF

 00583F

 4AA688

 004029

 66C1A2

 002A14

 82DDBD

 000D00

 9EFAD9

 000000

 BAFFF5

 D7FFFF

 F5FFFF

 007156

■ 0B7159

■ 17715B

■ 22715E

■ 2D7161

■ 397163

■ 447166

■ 4F7169

■ 5A716C

■ 66716E

# Harmonies

## Analogous

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



416D3B



007156



007274

# Triad

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



007156



52609A



925339

# Complementary

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



007156



71001B

# 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.



9A4B53



007156



7B548A

# Square

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



007156



006A9C



934C70



7E5D29

# Rectangle

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



007156



007186



934C70



964F41



# Sweetspot

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



007156



689489



1C7100



2F4A44



C9C9C9



4A4A4A



# Same Dimension

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



007156



009471



005571



323837



00785B



00F7BC



# Inverse Universe

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



71001B



940023



711C00



383234



78001D



F7003B



# Previews

## White Background



This preview shows how the Hex color 007156 looks on a white background.

## Color Contrast Check

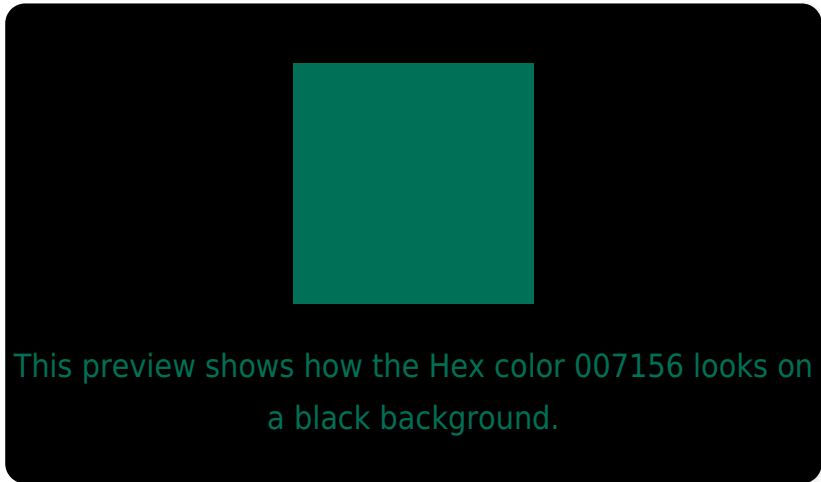
Large Text (above 18pt) WCAG AA ✓ Pass

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 007156 Background



This preview shows how black text looks on a background with the Hex color 007156.



This preview shows how white text looks on a background with the Hex color 007156.

# 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



**Original Color**  
007156

**Protanopia**  
69634F

**Deuteranopia**  
705F5A



**Tritanopia**  
246D76

# Trichromacy



**Original Color**  
007156



**Protanomaly**  
436852



**Deuteranomaly**  
476659



**Tritanomaly**  
176E6A

# Monochromacy



**Original Color**  
007156



**Achromatopsia**  
4C4C4C



**Achromatomaly**  
305950

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007156 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 #007156 looks like.

```
.text, #text, p{  
    color:#007156  
}
```

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 #007156 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007156
}
```

## Border

The CSS property to change the border of an element to Hex 007156 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
#007156 }
```

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

```
.border{ border-color:#007156 }
```

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

Here you see how a box with a 4 pixel #007156 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007156; -webkit-box-shadow:4px 4px  
4px 4px #007156; box-shadow:4px 4px 4px  
4px #007156 }
```

# Background

The CSS property to change the background color of an element to Hex 007156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007156 }
```

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

```
.background{ background-color:#007156 }
```

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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