

# Converting Colors

Hex(007057)

Have a look what the booklet for  
Hex(007057) contains.

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# Color

**Hex(007057)**

# Conversions

## Conversions Part 1

Format	Color
Hex	007057
RGB	0, 112, 87
RGB Percent	0%, 44%, 34%
CMY	1.0000, 0.5608, 0.6588
CMYK	1.00, 0.00, 0.22, 0.56
HSL	167°, 100%, 22%
HSV	167°, 100%, 44%
XYZ	7.5145, 12.2765, 10.9904
YIQ	75.6620, -58.7270, -31.5190

# Conversions

## Conversions Part 2

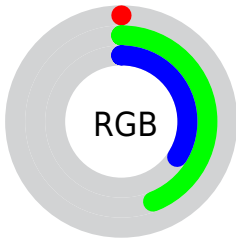
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 63, 112
Decimal	28759
CIELab	41.65, -33.90, 6.28
CIELCh	42, 34.481, 169.507
Yxy	12.2765, 0.2441, 0.3988
Android (android.graphics.Color)	4278218839 (0xFF007057)
YUV	75.6620, 5.5896, -66.3556
Hunter-Lab	35.0378, -23.0336, 5.9288

# Details

The Hex color **007057** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **700019**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **4AA589**, and **003F2A** is the 20% darker color. If you saturate the color by 10%, you get **007057**, and if you desaturate by 10%, it is **0B705A**.

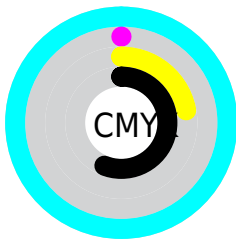
# Distribution



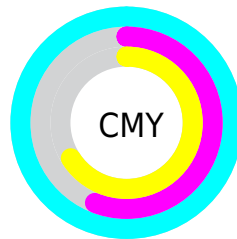
- Red (0%)
- Green (44%)
- Blue (34%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (56%)



- Cyan (100%)
- Magenta (56%)
- Yellow (66%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007057 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 007057 by changing the saturation by 10% instead.



 007057

 007057

FFFFFF

 005740

 4AA589

 003F2A

 66C0A3

 002915

 82DCBE

 000B00

 9EF9DA

 000000

 BAF6F6

 D7FFFF

 F4FFFF

 007057

 0B705A

 16705C

 22705F

 2D7061

 387064

 437066

 4E7069

 5A706B

 65706E

# Harmonies

## Analogous

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



406D3C



007057



007174

# Triad

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



007057



545F98



8F5338

# Complementary

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



007057



700019

# 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.



984B51



007057



7B5487

# Square

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



007057



02689A



924B6D



7B5D29

# Rectangle

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



007057



006F86



924B6D



935040



# Sweetspot

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



007057



669188



1A7000



2F4A44



C9C9C9



4A4A4A



# Same Dimension

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



007057



009171



005270



323837



00785D



00F7C0



# Inverse Universe

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



700019



910020



701E00



383234



78001B



F70037



# Previews

## White Background



This preview shows how the Hex color 007057 looks on a white background.

## Color Contrast Check

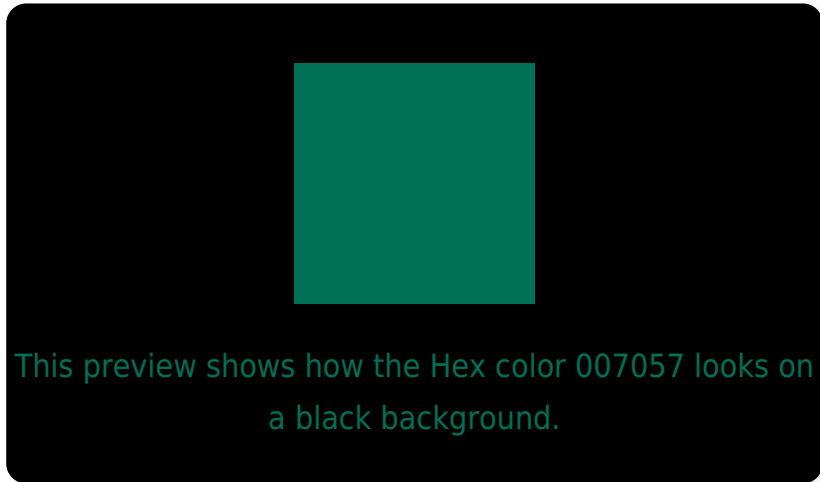
Large Text (above 18pt) WCAG AA ✓ Pass

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

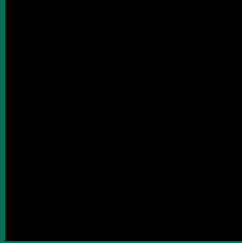
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 007057 Background



This preview shows how black text looks on a background with the Hex color 007057.

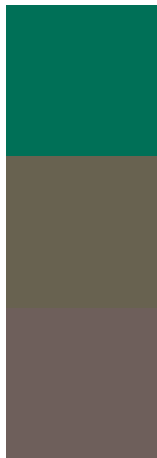


This preview shows how white text looks on a background with the Hex color 007057.

# 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**  
007057

**Protanopia**  
686250

**Deuteranopia**  
6E5F5B



**Tritanopia**  
236C75

# Trichromacy



**Original Color**  
007057



**Protanomaly**  
426753



**Deuteranomaly**  
46655A



**Tritanomaly**  
166D6A

# Monochromacy



**Original Color**  
007057



**Achromatopsia**  
4C4C4C



**Achromatomaly**  
305950

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007057 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 #007057 looks like.

```
.text, #text, p{  
    color:#007057  
}
```

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 #007057 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007057
}
```

## Border

The CSS property to change the border of an element to Hex 007057 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
#007057 }
```

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

```
.border{ border-color:#007057 }
```

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

Here you see how a box with a 4 pixel #007057 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007057; -webkit-box-shadow:4px 4px  
4px 4px #007057; box-shadow:4px 4px 4px  
4px #007057 }
```

# Background

The CSS property to change the background color of an element to Hex 007057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007057 }
```

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

```
.background{ background-color:#007057 }
```

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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