

# Converting Colors

Hex(017007)

Have a look what the booklet for  
Hex(017007) contains.

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**Color**

**Hex(017007)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	017007
RGB	1, 112, 7
RGB Percent	0%, 44%, 3%
CMY	0.9961, 0.5608, 0.9725
CMYK	0.99, 0.00, 0.94, 0.56
HSL	123°, 98%, 22%
HSV	123°, 99%, 44%
XYZ	5.8450, 11.6101, 2.1339
YIQ	66.8410, -32.4510, -56.1870

# Conversions

## Conversions Part 2

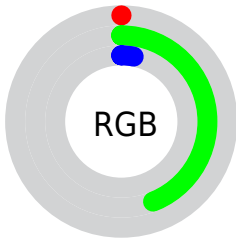
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	1, 106, 112
Decimal	94215
CIE <sub>Lab</sub>	40.59, -46.56, 43.65
CIE <sub>LCh</sub>	41, 63.821, 136.853
Yxy	11.6101, 0.2984, 0.5927
Android (android.graphics.Color)	4278284295 (0xFF017007)
YUV	66.8410, -29.5016, -57.7426
Hunter-Lab	34.0736, -29.0088, 20.1384

# Details

The Hex color **017007** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **70016A**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **4CA53F**, and **003E00** is the 20% darker color. If you saturate the color by 10%, you get **007006**, and if you desaturate by 10%, it is **0C7012**.

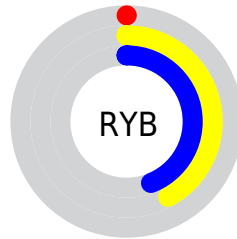
# Distribution



Red (0%)

Green (44%)

Blue (3%)



Red (0%)

Yellow (42%)

Blue (44%)

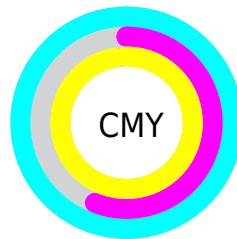


Cyan (99%)

Magenta (0%)

Yellow (94%)

Black (56%)



Cyan (100%)

Magenta (56%)


Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 017007 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 017007 by changing the saturation by 10% instead.



 017007

 017007

FFFFFFE

 005700

 4CA53F

 003E00

 68C059

 002900

 84DD73

 000400

 A1FA8D

 000000

 BDFFA8

 DAFFC4

 F8FFE1

 017007

 017007

■ 007006

■ 0C7012

■ 17701C

■ 237027

■ 2E7031

■ 39703C

■ 447047

■ 4F7051

■ 5B705C

■ 667066

# Harmonies

## Analogous

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



596600



017007



007546

# Triad

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



017007



006DC6



B91C45

# Complementary

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



017007



70016A

# 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.



B02079



017007



005CC5

# Square

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



017007



0074AC



8541A8



A93B11

# Rectangle

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



017007



00766B



8541A8



B91656



# Sweetspot

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



017007



669168



6A7001



2F4A31



C9C9C9



4A4A4A



# Same Dimension

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



017007



009108



01703E



323833



007806



00F70D



# Inverse Universe

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



70016A



910089



700133



383238



780071

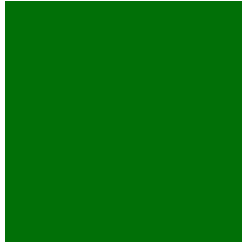


F700EA



# Previews

## White Background



This preview shows how the Hex color 017007 looks on a white background.

## Color Contrast Check

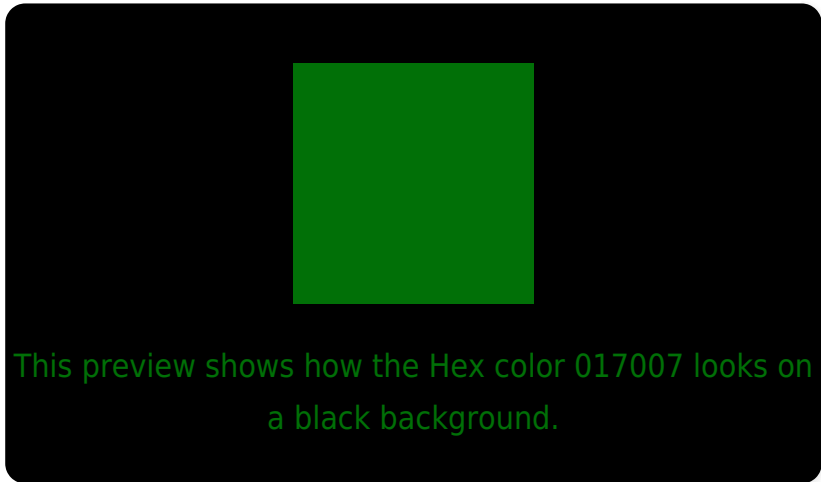
Large Text (above 18pt) WCAG AA ✓ Pass

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 017007 Background



This preview shows how black text looks on a background with the Hex color 017007.



This preview shows how white text looks on a background with the Hex color 017007.

# 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**  
017007

**Protanopia**  
6C6000

**Deuteranopia**  
785B19



**Tritanopia**  
2F6871

# Trichromacy



**Original Color**  
017007



**Protanomaly**  
456603



**Deuteranomaly**  
4D6312

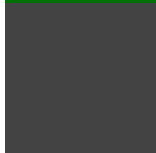


**Tritanomaly**  
1E6B4A

# Monochromacy



**Original Color**  
017007



**Achromatopsia**  
434343



**Achromatomaly**  
2B532D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 017007 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 #017007 looks like.

```
.text, #text, p{  
    color:#017007  
}
```

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 #017007 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #017007
}
```

## Border

The CSS property to change the border of an element to Hex 017007 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".

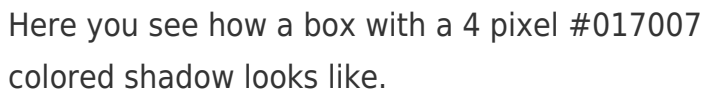
```
.border, #border, table{ border:4px solid
#017007 }
```

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

```
.border{ border-color:#017007 }
```

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

Here you see how a box with a 4 pixel #017007 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #017007; -webkit-box-shadow:4px 4px  
4px 4px #017007; box-shadow:4px 4px 4px  
4px #017007 }
```

# Background

The CSS property to change the background color of an element to Hex 017007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#017007 }
```

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

```
.background{ background-color:#017007 }
```

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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