

# Converting Colors

Hex(017F07)

Have a look what the booklet for  
Hex(017F07) contains.

<b>Hex(017F07)</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(017F07)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	017F07
RGB	1, 127, 7
RGB Percent	0%, 50%, 3%
CMY	0.9961, 0.5020, 0.9725
CMYK	0.99, 0.00, 0.94, 0.50
HSL	123°, 98%, 25%
HSV	123°, 99%, 50%
XYZ	7.6402, 15.2005, 2.7323
YIQ	75.6460, -36.5760, -64.0320

# Conversions

## Conversions Part 2

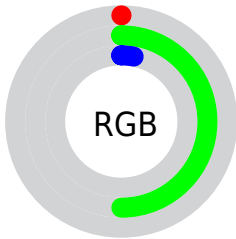
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	1, 121, 127
Decimal	98055
CIE <sub>Lab</sub>	45.91, -51.06, 48.18
CIE <sub>LCh</sub>	46, 70.202, 136.658
Yxy	15.2005, 0.2988, 0.5944
Android (android.graphics.Color)	4278288135 (0xFF017F07)
YUV	75.6460, -33.8425, -65.4645
Hunter-Lab	38.9879, -33.2491, 23.1364

# Details

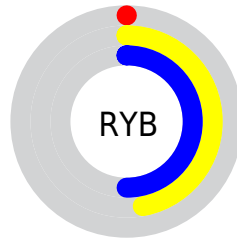
The Hex color **017F07** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7F0179**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **51B543**, and **004C00** is the 20% darker color. If you saturate the color by 10%, you get **007F06**, and if you desaturate by 10%, it is **0E7F13**.

# Distribution



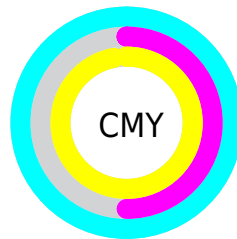
- Red (0%)
- Green (50%)
- Blue (3%)



- Red (0%)
- Yellow (47%)
- Blue (50%)



- Cyan (99%)
- Magenta (0%)
- Yellow (94%)
- Black (50%)




- Cyan (100%)
- Magenta (50%)
- Yellow (97%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 017F07 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 017F07 by changing the saturation by 10% instead.



 017F07

 017F07

FFFFFF

 006500

 51B543

 004C00

 6ED15D

 003400

 8BEE77

 001D00

 A8FF92

 000000

 C5FFAD

 E2FFC9

 FFFFE6

 017F07

 017F07

■ 007F06

■ 0E7F13

■ 1A7F1F

■ 277F2B

■ 347F37

■ 417F43

■ 4D7F50

■ 5A7F5C

■ 677F68

■ 737F74

# Harmonies

## Analogous

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



667400



017F07



00844F

# Triad

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



017F07



007BE0



D21F4F

# Complementary

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



017F07



7F0179

# 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.



C6258A



017F07



0069DF

# Square

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



017F07



0084C2



964BBE



C04314

# Rectangle

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



017F07



008679



964BBE



D11962



# Sweetspot

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



017F07



74A676



7B7F01



365437



D4D4D4



545454



# Same Dimension

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



017F07



00A608



017F44



39403A



008006



000000



# Inverse Universe

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



7F0179



A6009E



7F013C



40393F



800079

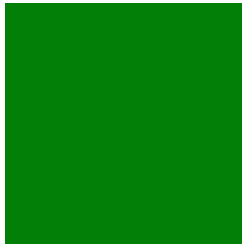


000000



# Previews

## White Background



This preview shows how the Hex color 017F07 looks on a white background.

## Color Contrast Check

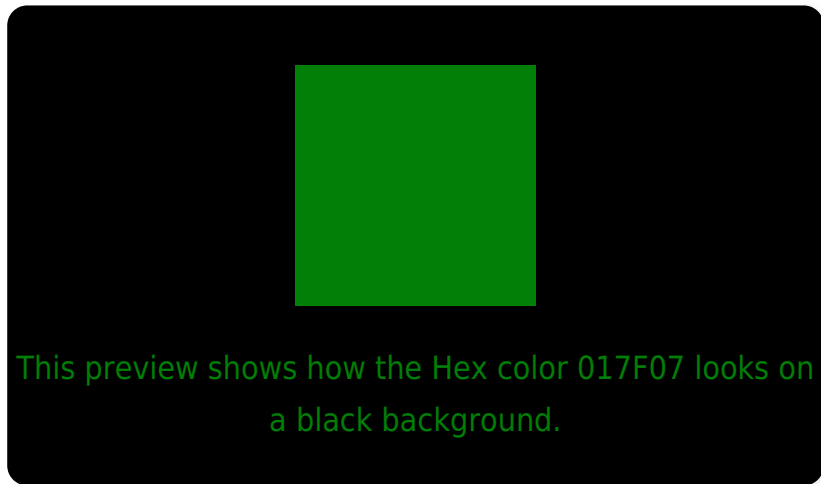
Large Text (above 18pt) WCAG AA ✓ Pass

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 017F07 Background



This preview shows how black text looks on a background with the Hex color 017F07.



This preview shows how white text looks on a background with the Hex color 017F07.

# 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**  
017F07

**Protanopia**  
7A6D00

**Deuteranopia**  
88671C



**Tritanopia**  
357680

# Trichromacy



**Original Color**  
017F07



**Protanomaly**  
4E7403



**Deuteranomaly**  
577014



**Tritanomaly**  
227954

# Monochromacy



**Original Color**  
017F07



**Achromatopsia**  
4C4C4C



**Achromatomaly**  
315F33

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 017F07 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 #017F07 looks like.

```
.text, #text, p{  
    color:#017F07  
}
```

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 #017F07 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #017F07
}
```

## Border

The CSS property to change the border of an element to Hex 017F07 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".

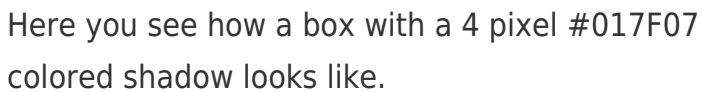
```
.border, #border, table{ border:4px solid
#017F07 }
```

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

```
.border{ border-color:#017F07 }
```

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

Here you see how a box with a 4 pixel #017F07 colored shadow looks like.

A rectangular box with a thick green border and a green shadow. The shadow is cast to the right and bottom of the box, matching the border color.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #017F07; -webkit-box-shadow:4px 4px  
4px 4px #017F07; box-shadow:4px 4px 4px  
4px #017F07 }
```

# Background

The CSS property to change the background color of an element to Hex 017F07 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#017F07 }
```

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

```
.background{ background-color:#017F07 }
```

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