

# Converting Colors

Hex(07710F)

Have a look what the booklet for  
Hex(07710F) contains.

<b>Hex(07710F)</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(07710F)

# Conversions

## Conversions Part 1

Format	Color
Hex	07710F
RGB	7, 113, 15
RGB Percent	3%, 44%, 6%
CMY	0.9725, 0.5569, 0.9412
CMYK	0.94, 0.00, 0.87, 0.56
HSL	125°, 88%, 24%
HSV	125°, 94%, 44%
XYZ	6.0790, 11.8899, 2.4265
YIQ	70.1340, -31.7180, -52.9500

# Conversions

## Conversions Part 2

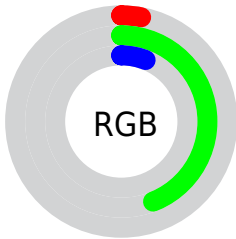
<b>Format</b>	<b>Color</b>
<b>RYB</b>	7, 106, 113
Decimal	487695
CIELab	41.04, -45.91, 42.06
CIELCh	41, 62.265, 137.503
Yxy	11.8899, 0.2981, 0.5830
Android (android.graphics.Color)	4278677775 (0xFF07710F)
YUV	70.1340, -27.1811, -55.3685
Hunter-Lab	34.4818, -28.8744, 19.9649

# Details

The Hex color **07710F** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **710769**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **4EA644**, and **003F00** is the 20% darker color. If you saturate the color by 10%, you get **007109**, and if you desaturate by 10%, it is **127119**.

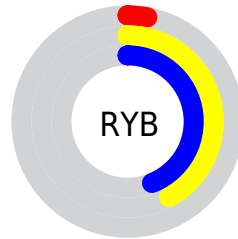
# Distribution



Red (3%)

Green (44%)

Blue (6%)



Red (3%)

Yellow (42%)

Blue (44%)

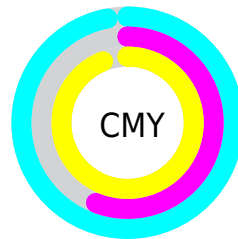


Cyan (94%)

Magenta (0%)

Yellow (87%)

Black (56%)



Cyan (97%)

Magenta (56%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 07710F 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 07710F by changing the saturation by 10% instead.



 07710F

 07710F

FFFFFF

 005800

 4EA644

 003F00

 6AC25D

 002A00

 86DE77

 000700

 A2FB92

 000000

 BFFFAD

 DCFFC9

 FAFFE5

 07710F

 07710F

■ 007109

■ 127119

■ 1E7124

■ 29712E

■ 347139

■ 407143

■ 4B714E

■ 567158

■ 617163

■ 6D716D

# Harmonies

## Analogous

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



5A6700



07710F



007649

# Triad

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



07710F



006DC5



B92246

# Complementary

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



07710F



710769

# 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.



B02578



07710F



155DC3

# Square

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



07710F



0075AC



8743A7



A93E13

# Rectangle

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



07710F



00776D



8743A7



B91E56



# Sweetspot

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



07710F



6A946E



6A7107



314A33



C9C9C9



4A4A4A



# Same Dimension

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



07710F



00940B



077143



323833



007809



00F713



# Inverse Universe

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



710769



940089



710735



383238



78006F

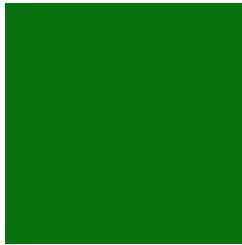


F700E5



# Previews

## White Background



This preview shows how the Hex color 07710F looks on a white background.

## Color Contrast Check

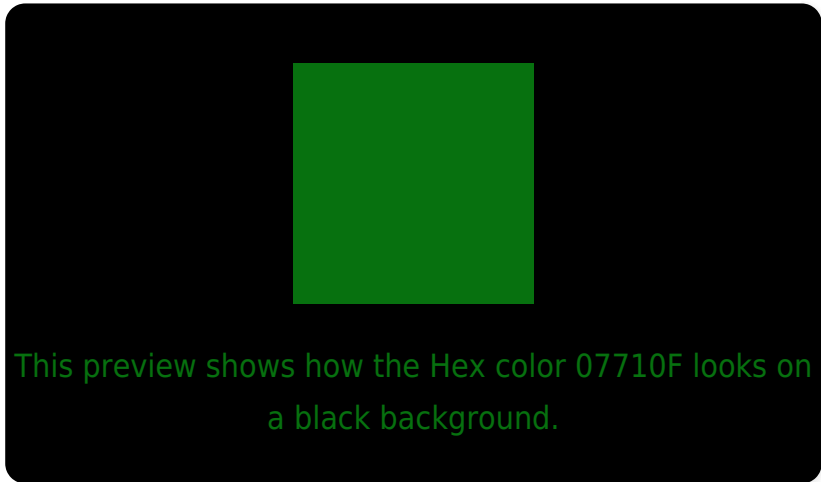
Large Text (above 18pt) WCAG AA ✓ Pass

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 07710F Background



This preview shows how black text looks on a background with the Hex color 07710F.



This preview shows how white text looks on a background with the Hex color 07710F.

# 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**  
07710F

**Protanopia**  
6D610A

**Deuteranopia**  
795C1C



**Tritanopia**  
306972

# Trichromacy



**Original Color**  
07710F



**Protanomaly**  
48670C



**Deuteranomaly**  
506417

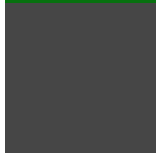


**Tritanomaly**  
216C4E

# Monochromacy



**Original Color**  
07710F



**Achromatopsia**  
464646



**Achromatomaly**  
2F5632

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 07710F 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 #07710F looks like.

```
.text, #text, p{  
    color:#07710F  
}
```

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 #07710F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #07710F
}
```

## Border

The CSS property to change the border of an element to Hex 07710F 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".

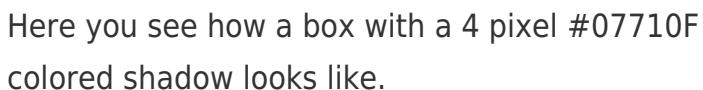
```
.border, #border, table{ border:4px solid
#07710F }
```

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

```
.border{ border-color:#07710F }
```

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

Here you see how a box with a 4 pixel #07710F colored shadow looks like.

A rectangular box with a thick green border and a green shadow. The box is white with a green border and a green shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #07710F; -webkit-box-shadow:4px 4px  
4px 4px #07710F; box-shadow:4px 4px 4px  
4px #07710F }
```

# Background

The CSS property to change the background color of an element to Hex 07710F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#07710F }
```

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

```
.background{ background-color:#07710F }
```

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