

# Converting Colors

Hex(077700)

Have a look what the booklet for  
Hex(077700) contains.

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**Color**

**Hex(077700)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	077700
RGB	7, 119, 0
RGB Percent	3%, 47%, 0%
CMY	0.9725, 0.5333, 1.0000
CMYK	0.94, 0.00, 1.00, 0.53
HSL	116°, 100%, 23%
HSV	116°, 100%, 47%
XYZ	6.6844, 13.2388, 2.2030
YIQ	71.9460, -28.5530, -60.7530

# Conversions

## Conversions Part 2

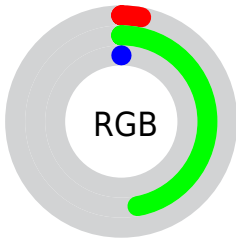
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 119, 112
Decimal	489216
CIELab	43.12, -48.45, 47.43
CIELCh	43, 67.801, 135.605
Yxy	13.2388, 0.3021, 0.5983
Android (android.graphics.Color)	4278679296 (0xFF077700)
YUV	71.9460, -35.4694, -56.9576
Hunter-Lab	36.3852, -30.8812, 21.8798

# Details

The Hex color **077700** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **700077**, and the grayscale version is **484848**.

A 20% lighter version of the original color is **51AC3D**, and **004500** is the 20% darker color. If you saturate the color by 10%, you get **077700**, and if you desaturate by 10%, it is **12770C**.

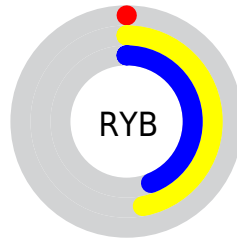
# Distribution



Red (3%)

Green (47%)

Blue (0%)



Red (0%)

Yellow (47%)

Blue (44%)

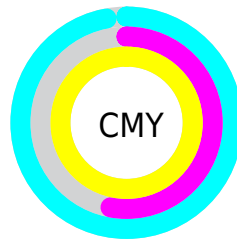


Cyan (94%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (97%)

Magenta (53%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 077700 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 077700 by changing the saturation by 10% instead.



 077700

 077700

FFFFFFD

 005D00

 51AC3D

 004500

 6DC857

 002E00

 8AE571

 001300

 A6FF8C

 000000

 C3FFA7

 E0FFC3

 FEFEE0

 077700

 12770C

 1D7718


 297724

 347730

 3F773B

 4A7747

 557753

 61775F

 6C776B

# Harmonies

## Analogous

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



616C00



077700



007C48

# Triad

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



077700



0074D4



C6194B

# Complementary

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



077700



700077

# 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.



BB2183



077700



0063D3

# Square

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



077700



007CB6



8B46B5



B63C13

# Rectangle

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



077700



007E6F



8B46B5



C6135E



# Sweetspot

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



077700



709C6D



776F00



344F33



CFCFCF



4F4F4F



# Same Dimension

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



077700



099C00



007734



353B35



077A00



0FFA00



# Inverse Universe

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



700077



92009C



770043



3A353B



73007A

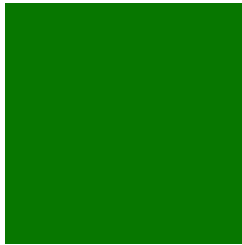


EB00FA



# Previews

## White Background



This preview shows how the Hex color 077700 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 077700 Background



This preview shows how black text looks on a background with the Hex color 077700.



This preview shows how white text looks on a background with the Hex color 077700.

# 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**  
077700

**Protanopia**  
736600

**Deuteranopia**  
80601A



**Tritanopia**  
326F78

# Trichromacy



**Original Color**

077700



**Protanomaly**

4C6C00



**Deuteranomaly**

546811



**Tritanomaly**

22724C

# Monochromacy



**Original Color**

077700



**Achromatopsia**

484848



**Achromatomaly**

30592E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 077700 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 #077700 looks like.

```
.text, #text, p{  
    color:#077700  
}
```

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 #077700 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #077700
}
```

## Border

The CSS property to change the border of an element to Hex 077700 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".

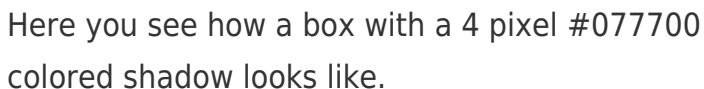
```
.border, #border, table{ border:4px solid
#077700 }
```

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

```
.border{ border-color:#077700 }
```

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

Here you see how a box with a 4 pixel #077700 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 #077700; -webkit-box-shadow:4px 4px  
4px 4px #077700; box-shadow:4px 4px 4px  
4px #077700 }
```

# Background

The CSS property to change the background color of an element to Hex 077700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#077700 }
```

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

```
.background{ background-color:#077700 }
```

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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