

# Converting Colors

Hex(00771E)

Have a look what the booklet for  
Hex(00771E) contains.

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# Color

**Hex(00771E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00771E
RGB	0, 119, 30
RGB Percent	0%, 47%, 12%
CMY	1.0000, 0.5333, 0.8824
CMYK	1.00, 0.00, 0.75, 0.53
HSL	135°, 100%, 23%
HSV	135°, 100%, 47%
XYZ	6.8312, 13.2874, 3.4330
YIQ	73.2730, -42.3550, -52.9070

# Conversions

## Conversions Part 2

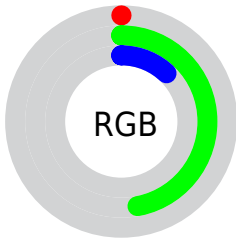
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 95, 119</a>
Decimal	<a href="#">30494</a>
CIELab	<a href="#">43.19, -47.26, 38.87</a>
CIELCh	<a href="#">43, 61.193, 140.560</a>
Yxy	<a href="#">13.2874, 0.2901, 0.5642</a>
Android (android.graphics.Color)	<a href="#">4278220574 (0xFF00771E)</a>
YUV	<a href="#">73.2730, -21.3336, -64.2604</a>
Hunter-Lab	<a href="#">36.4519, -30.3394, 19.9325</a>

# Details

The Hex color **00771E** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **770059**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **4DAC50**, and **004500** is the 20% darker color. If you saturate the color by 10%, you get **00771E**, and if you desaturate by 10%, it is **0C7727**.

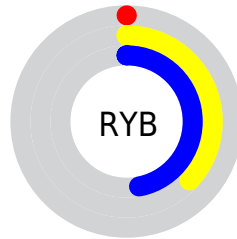
# Distribution



Red (0%)

Green (47%)

Blue (12%)



Red (0%)

Yellow (37%)

Blue (47%)

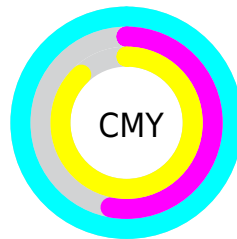


Cyan (100%)

Magenta (0%)

Yellow (75%)

Black (53%)



Cyan (100%)

Magenta (53%)

Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00771E 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 00771E by changing the saturation by 10% instead.



 00771E

 00771E

FFFFFF

 005D01

 4DAC50

 004500

 6AC869

 002E00

 86E583

 001300

 A2FF9E

 000000

 BFFFB9

 DCFFD5

 FAFFF2

 00771E

■ 0C7727

■ 187730

■ 247739

■ 307742

■ 3B774A

■ 477753

■ 53775C

■ 5F7765

■ 6B776E

# Harmonies

## Analogous

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



5B6E00



00771E



007B54

# Triad

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



00771E



0071CB



BD2E46

# Complementary

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



00771E



770059

# 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.



B72D78



00771E



3A60C6

# Square

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



00771E



007AB4



9246A7



AC4715

# Rectangle

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



00771E



007C77



9246A7



BE2956



# Sweetspot

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



00771E



6D9C79



597700



334F3A



CFCFCF



4F4F4F



# Same Dimension

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



00771E



009C27



007759



353B36



007A1F



00FA3F



# Inverse Universe

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



770059



9C0074



77001E



3B3539



7A005C

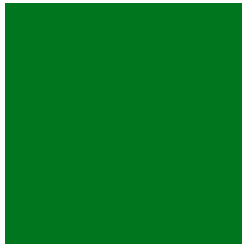


FA00BB



# Previews

## White Background



This preview shows how the Hex color 00771E looks on a white background.

## Color Contrast Check

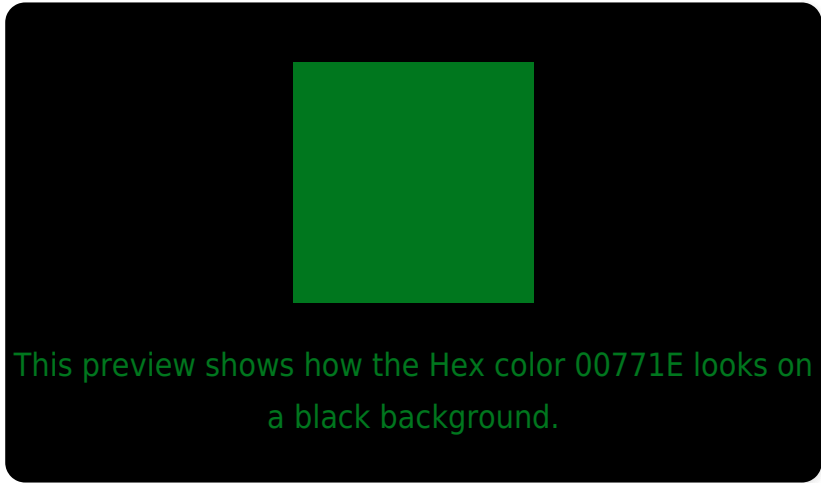
Large Text (above 18pt) WCAG AA ✓ Pass

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 00771E Background



This preview shows how black text looks on a background with the Hex color 00771E.



This preview shows how white text looks on a background with the Hex color 00771E.

# 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**  
00771E

**Protanopia**  
72661A

**Deuteranopia**  
7F6127



**Tritanopia**  
316F78

# Trichromacy



**Original Color**  
00771E



**Protanomaly**  
496C1B



**Deuteranomaly**  
516924

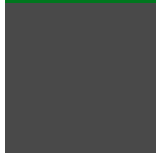


**Tritanomaly**  
1F7257

# Monochromacy



**Original Color**  
00771E



**Achromatopsia**  
494949



**Achromatomaly**  
2E5A39

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00771E 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 #00771E looks like.

```
.text, #text, p{  
    color:#00771E  
}
```

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 #00771E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00771E
}
```

## Border

The CSS property to change the border of an element to Hex 00771E is called "border". The border property can be set on classes, ids or directly on the HTML element.

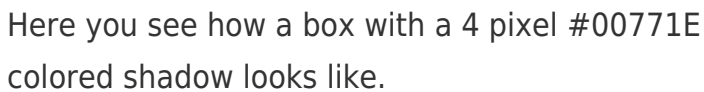
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#00771E }
```

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

```
.border{ border-color:#00771E }
```

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



Here you see how a box with a 4 pixel #00771E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00771E; -webkit-box-shadow:4px 4px  
4px 4px #00771E; box-shadow:4px 4px 4px  
4px #00771E }
```

# Background

The CSS property to change the background color of an element to Hex 00771E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00771E }
```

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

```
.background{ background-color:#00771E }
```

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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