

# Converting Colors

Hex(01731F)

Have a look what the booklet for  
Hex(01731F) contains.

|  |    |
|--|----|
| <b>Hex(01731F)</b> .....                       | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 11 |
| <i><b>Previews</b></i> .....                   | 23 |
| <i><b>Color Blindness Simulation</b></i> ..... | 26 |
| <i><b>CSS Examples</b></i> .....               | 29 |

# Color

**Hex(01731F)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                |
|---------------|-----------------------------|
| Hex           | 01731F                      |
| RGB           | 1, 115, 31                  |
| RGB Percent   | 0%, 45%, 12%                |
| CMY           | 0.9961, 0.5490, 0.8784      |
| CMYK          | 0.99, 0.00, 0.73, 0.55      |
| HSL           | 136°, 98%, 23%              |
| HSV           | 136°, 99%, 45%              |
| XYZ           | 6.3906, 12.3668, 3.3465     |
| YIQ           | 71.3380, -40.9800, -50.2920 |

# Conversions

## Conversions Part 2

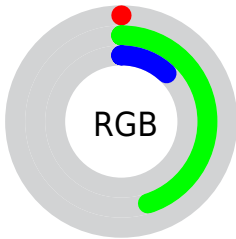
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 1, 91, 115                     |
| Decimal                             | 95007                          |
| CIELab                              | 41.79, -45.79, 37.00           |
| CIELCh                              | 42, 58.870, 141.066            |
| Yxy                                 | 12.3668, 0.2891,<br>0.5595     |
| Android<br>(android.graphics.Color) | 4278285087<br>(0xFF01731F)     |
| YUV                                 | 71.3380, -19.8866,<br>-61.6864 |
| Hunter-Lab                          | 35.1665, -29.1038,<br>18.9744  |

# Details

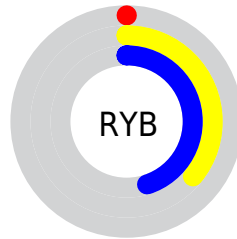
The Hex color **01731F** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **730155**, and the grayscale version is **484848**.

A 20% lighter version of the original color is **4CA850**, and **004100** is the 20% darker color. If you saturate the color by 10%, you get **00731E**, and if you desaturate by 10%, it is **0C7327**.

# Distribution



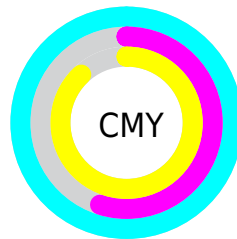
- Red (0%)
- Green (45%)
- Blue (12%)



- Red (0%)
- Yellow (36%)
- Blue (45%)



- Cyan (99%)
- Magenta (0%)
- Yellow (73%)
- Black (55%)




- Cyan (100%)
- Magenta (55%)
- Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 01731F 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 01731F by changing the saturation by 10% instead.



 01731F

 01731F

FFFFFF

 005A03

 4CA850

 004100

 68C469

 002B00

 84E083

 000C00

 A0FD9E

 000000

 BDFFB9

 DAFFD5

 F7FFF2

 01731F

 01731F

■ 00731E

■ 0C7327

■ 187330

■ 237338

■ 2F7341

■ 3B7349

■ 467352

■ 52735A

■ 5D7363

■ 69736B

# Harmonies

## Analogous

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



576A00



01731F



007752

# Triad

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



01731F



006DC3



B62E43

# Complementary

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



01731F



730155

# 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.



B12C73



01731F



3C5CBE

# Square

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



01731F



0075AE



8E44A0



A54514

# Rectangle

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



01731F



007874



8E44A0



B72A53



# Sweetspot

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



01731F



699675



577301



314D38



CCCCCC



4D4D4D



# Same Dimension

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



01731F



009628



017357



353B36



007A20



00FA42



# Inverse Universe

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



730155



96006F



73011D



3B3539



7A005A



FA00B8



# Previews

## White Background



This preview shows how the Hex color 01731F looks on a white background.

## Color Contrast Check

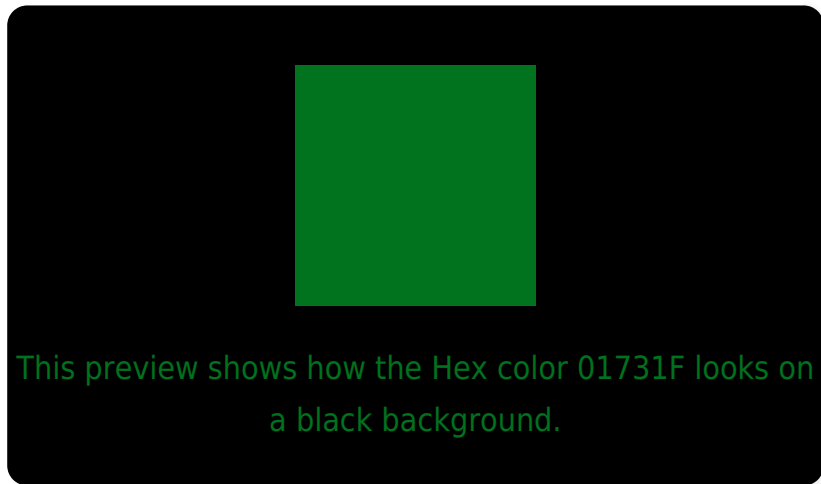
Large Text (above 18pt) WCAG AA ✓ Pass

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 01731F Background



This preview shows how black text looks on a background with the Hex color 01731F.



This preview shows how white text looks on a background with the Hex color 01731F.

# 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**  
01731F

**Protanopia**  
6E631B

**Deuteranopia**  
7A5E27



**Tritanopia**  
2F6B74

# Trichromacy



**Original Color**  
01731F



**Protanomaly**  
46691C



**Deuteranomaly**  
4E6624

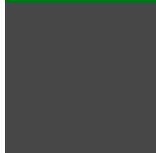


**Tritanomaly**  
1E6E55

# Monochromacy



**Original Color**  
01731F



**Achromatopsia**  
474747



**Achromatomaly**  
2E5738

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 01731F 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 #01731F looks like.

```
.text, #text, p{  
    color:#01731F  
}
```

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 #01731F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #01731F
}
```

## Border

The CSS property to change the border of an element to Hex 01731F is called "border". The border property can be set on classes, ids or directly on the HTML element.

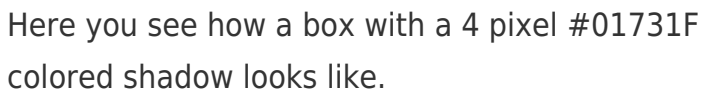
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#01731F }
```

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

```
.border{ border-color:#01731F }
```

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



Here you see how a box with a 4 pixel #01731F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #01731F; -webkit-box-shadow:4px 4px  
4px 4px #01731F; box-shadow:4px 4px 4px  
4px #01731F }
```

# Background

The CSS property to change the background color of an element to Hex 01731F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#01731F }
```

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

```
.background{ background-color:#01731F }
```

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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