

# Converting Colors

Hex(0B733F)

Have a look what the booklet for  
Hex(0B733F) contains.

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# Color

Hex(0B733F)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0B733F
RGB	11, 115, 63
RGB Percent	4%, 45%, 25%
CMY	0.9569, 0.5490, 0.7529
CMYK	0.90, 0.00, 0.45, 0.55
HSL	150°, 83%, 25%
HSV	150°, 90%, 45%
XYZ	7.1659, 12.6915, 6.7746
YIQ	77.9760, -45.2920, -38.2200

# Conversions

## Conversions Part 2

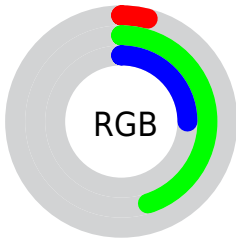
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	11, 80, 115
Decimal	750399
CIE <sub>Lab</sub>	42.29, -40.04, 21.26
CIE <sub>LCh</sub>	42, 45.336, 152.039
Yxy	12.6915, 0.2691, 0.4765
Android (android.graphics.Color)	4278940479 (0xFF0B733F)
YUV	77.9760, -7.3832, -58.7380
Hunter-Lab	35.6251, -26.4389, 13.6627

# Details

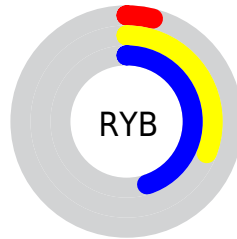
The Hex color **0B733F** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **730B3F**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **4EA86F**, and **004113** is the 20% darker color. If you saturate the color by 10%, you get **00733A**, and if you desaturate by 10%, it is **167345**.

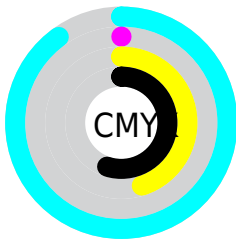
# Distribution



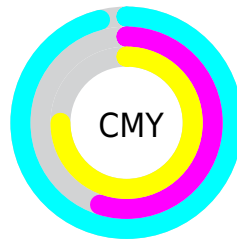
- Red (4%)
- Green (45%)
- Blue (25%)



- Red (4%)
- Yellow (31%)
- Blue (45%)



- Cyan (90%)
- Magenta (0%)
- Yellow (45%)
- Black (55%)



- Cyan (96%)
- Magenta (55%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0B733F 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 0B733F by changing the saturation by 10% instead.



 0B733F

 0B733F

FFFFFF

 005A28

 4EA86F

 004113

 6AC489

 002B00

 85E0A3

 000F00

 A1FDBF

 000000

 BDFADB

 DAFFF7

 F8FFFF

 0B733F

 0B733F

■ 00733A

■ 167345

■ 22734B

■ 2D7350

■ 397356

■ 44735C

■ 507362

■ 5C7367

■ 67736D

■ 727373

# Harmonies

## Analogous

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



4F6D1F



0B733F



007665

# Triad

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



0B733F



0067AF



A4463E

# Complementary

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



0B733F



730B3F

# 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.



A64063



0B733F



6859A4

# Square

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



0B733F



0071A5



934988



925520

# Rectangle

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



0B733F



00767F



934988



A7434A



# Sweetspot

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



0B733F



6E9682



3F730B



344D40



CCCCCC



4D4D4D



# Same Dimension

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



0B733F



00964B



0B7373



353B38



007A3D



00FA7D



# Inverse Universe

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



730B3F



96004B



730B0B



3B3538



7A003D



FA007D



# Previews

## White Background



This preview shows how the Hex color 0B733F looks on a white background.

## Color Contrast Check

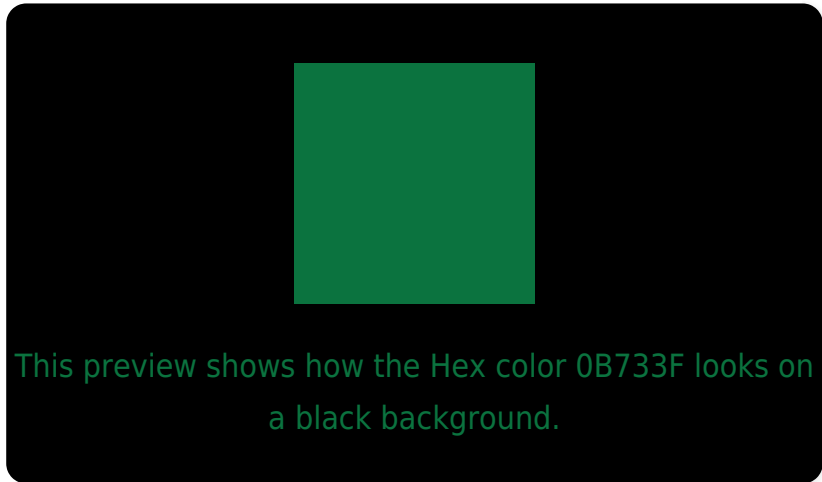
Large Text (above 18pt) WCAG AA ✓ Pass

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 0B733F Background



This preview shows how black text looks on a background with the Hex color 0B733F.



This preview shows how white text looks on a background with the Hex color 0B733F.

# 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**  
0B733F

**Protanopia**  
6D6339

**Deuteranopia**  
775F44



**Tritanopia**  
2C6D76

# Trichromacy



**Original Color**  
0B733F



**Protanomaly**  
49693B



**Deuteranomaly**  
506642



**Tritanomaly**  
206F62

# Monochromacy



**Original Color**  
0B733F



**Achromatopsia**  
4E4E4E



**Achromatomaly**  
365B49

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0B733F 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 #0B733F looks like.

```
.text, #text, p{  
    color:#0B733F  
}
```

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 #0B733F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0B733F
}
```

## Border

The CSS property to change the border of an element to Hex 0B733F 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
#0B733F }
```

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

```
.border{ border-color:#0B733F }
```

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

Here you see how a box with a 4 pixel #0B733F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0B733F; -webkit-box-shadow:4px 4px  
4px 4px #0B733F; box-shadow:4px 4px 4px  
4px #0B733F }
```

# Background

The CSS property to change the background color of an element to Hex 0B733F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0B733F }
```

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

```
.background{ background-color:#0B733F }
```

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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