

# Converting Colors

Hex(006F46)

Have a look what the booklet for  
Hex(006F46) contains.

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**Color**

**Hex(006F46)**

# Conversions

## Conversions Part 1

Format	Color
Hex	006F46
RGB	0, 111, 70
RGB Percent	0%, 44%, 27%
CMY	1.0000, 0.5647, 0.7255
CMYK	1.00, 0.00, 0.37, 0.56
HSL	158°, 100%, 22%
HSV	158°, 100%, 44%
XYZ	6.7899, 11.8111, 7.7163
YIQ	73.1370, -52.9950, -36.2830

# Conversions

## Conversions Part 2

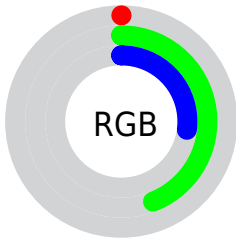
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 68, 111
Decimal	28486
CIELab	40.91, -37.85, 15.36
CIELCh	41, 40.854, 157.910
Yxy	11.8111, 0.2580, 0.4488
Android (android.graphics.Color)	4278218566 (0xFF006F46)
YUV	73.1370, -1.5465, -64.1411
Hunter-Lab	34.3672, -24.8765, 10.7451

# Details

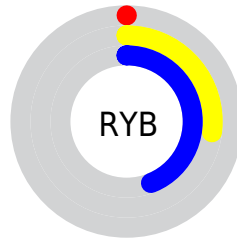
The Hex color **006F46** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6F0029**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **49A477**, and **003E1A** is the 20% darker color. If you saturate the color by 10%, you get **006F46**, and if you desaturate by 10%, it is **0B6F4A**.

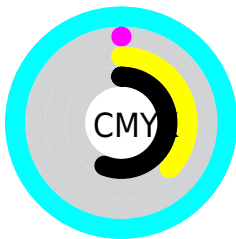
# Distribution



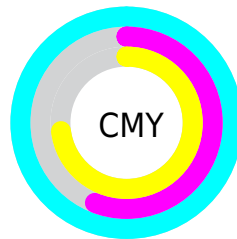
- Red (0%)
- Green (44%)
- Blue (27%)



- Red (0%)
- Yellow (27%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (56%)



- Cyan (100%)
- Magenta (56%)
- Yellow (73%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 006F46 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 006F46 by changing the saturation by 10% instead.



 006F46

 006F46

FFFFFF

 00562F

 49A477

 003E1A

 65BF90

 002800

 80DBAB

 000600

 9CF8C6

 000000

 B9FFE2

 D5FFFF

 F3FFFF

 006F46

 0B6F4A

 166F4E

 216F52

 2C6F56

 386F5A

 436F5F

 4E6F63

 596F67

 646F6B

# Harmonies

## Analogous

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



476A28



006F46



007169

# Triad

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



006F46



2E61A3



994939

# Complementary

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



006F46



6F0029

# 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.



9E4259



006F46



6E5496

# Square

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



006F46



006B9E



90477A



865621

# Rectangle

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



006F46



00707F



90477A



9C4543



# Sweetspot

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



006F46



669181



2B6F00



2F4A40



C9C9C9



4A4A4A



# Same Dimension

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



006F46



00915C



00626F



323836



00784C



00F79C



# Inverse Universe

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



6F0029



910036



6F0D00



383235



78002C



F7005B



# Previews

## White Background



This preview shows how the Hex color 006F46 looks on a white background.

## Color Contrast Check

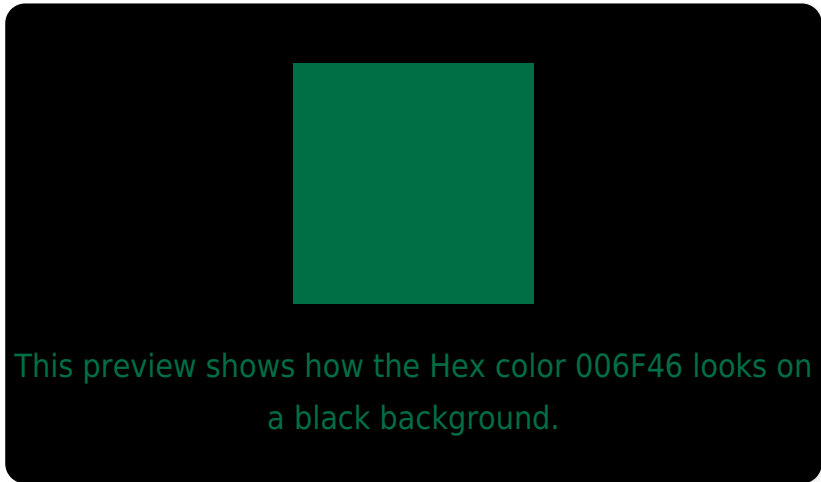
Large Text (above 18pt) WCAG AA ✓ Pass

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 006F46 Background



This preview shows how black text looks on a background with the Hex color 006F46.

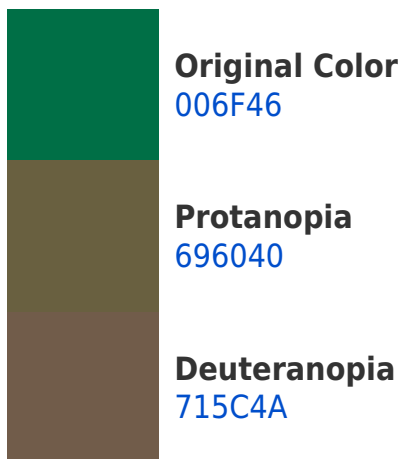


This preview shows how white text looks on a background with the Hex color 006F46.

# 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





**Tritanopia**  
276A72

# Trichromacy



**Original Color**

006F46



**Protanomaly**

436542



**Deuteranomaly**

486349



**Tritanomaly**

196C62

# Monochromacy



**Original Color**

006F46



**Achromatopsia**

494949



**Achromatomaly**

2E5748

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 006F46 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 #006F46 looks like.

```
.text, #text, p{  
    color:#006F46  
}
```

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 #006F46 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #006F46
}
```

## Border

The CSS property to change the border of an element to Hex 006F46 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
#006F46 }
```

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

```
.border{ border-color:#006F46 }
```

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

Here you see how a box with a 4 pixel #006F46 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #006F46; -webkit-box-shadow:4px 4px  
4px 4px #006F46; box-shadow:4px 4px 4px  
4px #006F46 }
```

# Background

The CSS property to change the background color of an element to Hex 006F46 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#006F46 }
```

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

```
.background{ background-color:#006F46 }
```

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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