

# Converting Colors

Hex(00803F)

Have a look what the booklet for  
Hex(00803F) contains.

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# Color

Hex(00803F)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	00803F
RGB	0, 128, 63
RGB Percent	0%, 50%, 25%
CMY	1.0000, 0.4980, 0.7529
CMYK	1.00, 0.00, 0.51, 0.50
HSL	150°, 100%, 25%
HSV	150°, 100%, 50%
XYZ	8.6164, 15.7972, 7.2977
YIQ	82.3180, -55.4230, -47.3510

# Conversions

## Conversions Part 2

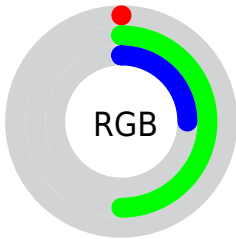
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 86, 128
Decimal	32831
CIELab	46.71, -45.68, 26.88
CIELCh	47, 52.999, 149.529
Yxy	15.7972, 0.2717, 0.4982
Android (android.graphics.Color)	4278222911 (0xFF00803F)
YUV	82.3180, -9.5238, -72.1929
Hunter-Lab	39.7457, -30.8584, 16.9358

# Details

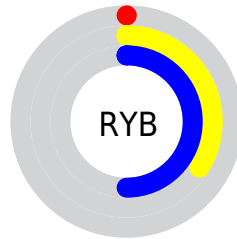
The Hex color **00803F** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **800041**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **4FB670**, and **004D11** is the 20% darker color. If you saturate the color by 10%, you get **00803F**, and if you desaturate by 10%, it is **0D8046**.

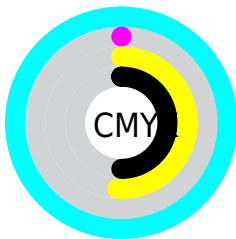
# Distribution



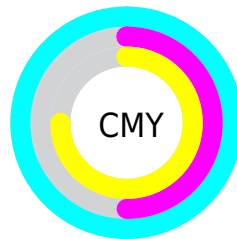
- Red (0%)
- Green (50%)
- Blue (25%)



- Red (0%)
- Yellow (34%)
- Blue (50%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (50%)



- Cyan (100%)
- Magenta (50%)
- Yellow (75%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00803F 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 00803F by changing the saturation by 10% instead.



 00803F

 00803F

FFFFFF

 006628

 4FB670

 004D11

 6BD28A

 003500

 88EFA4

 001F00

 A4FFC0

 000000

 C1FFDC

 DEFFF8

 FCFFFF

 00803F

 0D8046

 1A804C

 268053

 338059

 408060

 4D8066

 5A806D

 668073

 73807A

# Harmonies

## Analogous

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



597916



00803F



00836D

# Triad

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



00803F



0074C8



BC4946

# Complementary

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



00803F



800041

# 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.



BC4271



00803F



6C63BD

# Square

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



00803F



007FBB



A34F9D



A75B1F

# Rectangle

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



00803F



00838B



A34F9D



BE4454



# Sweetspot

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



00803F



74A68C



428000



365445



D4D4D4



545454



# Same Dimension

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



00803F



00A652



00807E



39403D



000000

# Inverse Universe

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



800041



A60054



800002



40393D



000000

# Previews

## White Background



This preview shows how the Hex color 00803F looks on a white background.

### Color Contrast Check

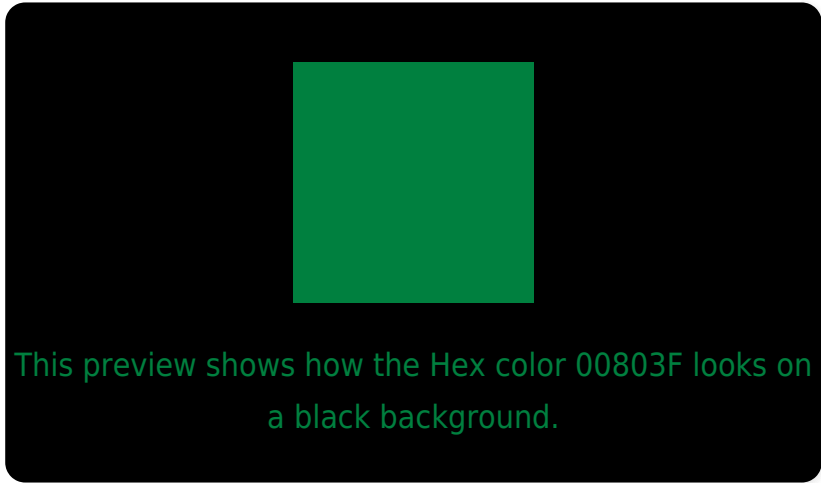
Large Text (above 18pt) WCAG AA ✓ Pass

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 00803F Background



This preview shows how black text looks on a background with the Hex color 00803F.



This preview shows how white text looks on a background with the Hex color 00803F.

# 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**  
00803F

**Protanopia**  
7A6E39

**Deuteranopia**  
856945





**Tritanopia**  
317982

# Trichromacy



**Original Color**  
00803F



**Protanomaly**  
4E753B



**Deuteranomaly**  
557143



**Tritanomaly**  
1F7C6A

# Monochromacy



**Original Color**  
00803F



**Achromatopsia**  
525252



**Achromatomaly**  
34634B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00803F 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 #00803F looks like.

```
.text, #text, p{  
    color:#00803F  
}
```

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 #00803F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00803F
}
```

## Border

The CSS property to change the border of an element to Hex 00803F 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
#00803F }
```

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

```
.border{ border-color:#00803F }
```

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

Here you see how a box with a 4 pixel #00803F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00803F; -webkit-box-shadow:4px 4px  
4px 4px #00803F; box-shadow:4px 4px 4px  
4px #00803F }
```

# Background

The CSS property to change the background color of an element to Hex 00803F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00803F }
```

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

```
.background{ background-color:#00803F }
```

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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