

# Converting Colors

Hex(176B3F)

Have a look what the booklet for  
Hex(176B3F) contains.

<b>Hex(176B3F)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(176B3F)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	176B3F
RGB	23, 107, 63
RGB Percent	9%, 42%, 25%
CMY	0.9098, 0.5804, 0.7529
CMYK	0.79, 0.00, 0.41, 0.58
HSL	149°, 65%, 25%
HSV	149°, 79%, 42%
XYZ	6.5082, 11.0564, 6.4937
YIQ	76.8680, -35.9400, -31.4920

# Conversions

## Conversions Part 2

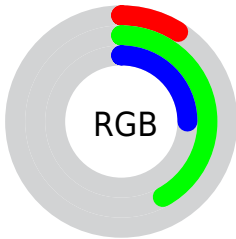
<b>Format</b>	<b>Color</b>
<b>RYB</b>	23, 80, 107
Decimal	1534783
CIELab	39.68, -35.42, 17.85
CIELCh	40, 39.668, 153.254
Yxy	11.0564, 0.2705, 0.4596
Android (android.graphics.Color)	4279724863 (0xFF176B3F)
YUV	76.8680, -6.8369, -47.2422
Hunter-Lab	33.2512, -23.2519, 11.6970

# Details

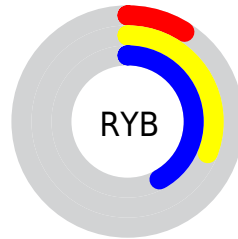
The Hex color **176B3F** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6B1743**, and the grayscale version is **4D4D4D**.

A 20% lighter version of the original color is **519F6F**, and **003A13** is the 20% darker color. If you saturate the color by 10%, you get **0C6B39**, and if you desaturate by 10%, it is **226B45**.

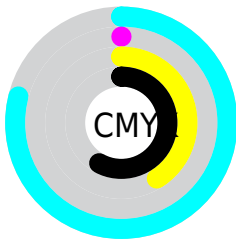
# Distribution



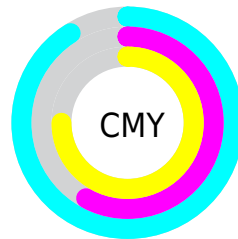
- Red (9%)
- Green (42%)
- Blue (25%)



- Red (9%)
- Yellow (31%)
- Blue (42%)



- Cyan (79%)
- Magenta (0%)
- Yellow (41%)
- Black (58%)



- Cyan (91%)
- Magenta (58%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 176B3F 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 176B3F by changing the saturation by 10% instead.



 176B3F

 176B3F

FFFFFF

 005229

 519F6F

 003A13

 6CBA89

 002500

 87D6A3


 000000

 A2F3BE

 BEFFDA

 DBFFF7

 F8FFFF

 176B3F

 176B3F

■ 0C6B39

■ 226B45

■ 026B34

■ 2C6B4A

■ 006B33

■ 376B50

■ 426B55

■ 4D6B5B

■ 576B61

■ 626B66

■ 6D6B6C

■ 776B71

# Harmonies

## Analogous

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



4A6624



176B3F



006D60

# Triad

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



176B3F



1B609E



96453C

# Complementary

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



176B3F



6B1743

# 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.



98405B



176B3F



635394

# Square

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



176B3F



006897



88467B



865123

# Rectangle

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



176B3F



006D76



88467B



984246



# Sweetspot

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



176B3F



6B8C7B



446B17



33473D



C7C7C7



474747



# Same Dimension

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



176B3F



088C47



176B68



303633



007538



00F575



# Inverse Universe

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



6B1743



8C084D



6B171A



363033



75003D



F50080



# Previews

## White Background



This preview shows how the Hex color 176B3F looks on a white background.

## Color Contrast Check

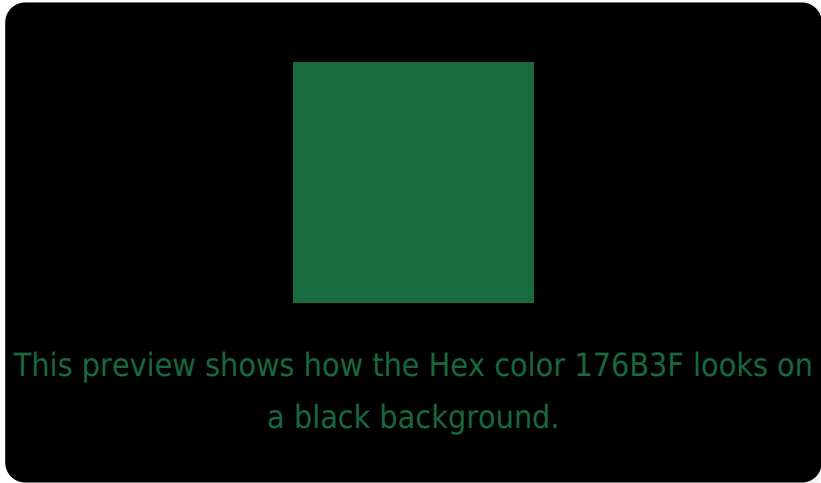
Large Text (above 18pt) WCAG AA ✓ Pass

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

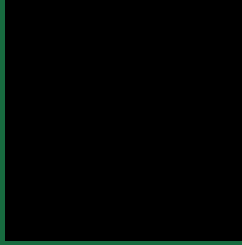
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 176B3F Background



This preview shows how black text looks on a background with the Hex color 176B3F.



This preview shows how white text looks on a background with the Hex color 176B3F.

# 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**  
176B3F

**Protanopia**  
665D3A

**Deuteranopia**  
6E5943



# Trichromacy



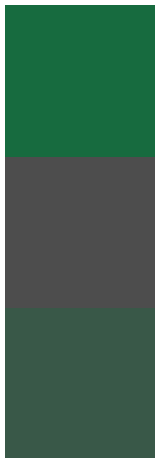
**Original Color**  
176B3F

**Protanomaly**  
49623C

**Deuteranomaly**  
4E6042

**Tritanomaly**  
24685D

# Monochromacy



**Original Color**  
176B3F

**Achromatopsia**  
4D4D4D

**Achromatomaly**  
395848

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 176B3F 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 #176B3F looks like.

```
.text, #text, p{  
    color:#176B3F  
}
```

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 #176B3F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #176B3F
}
```

## Border

The CSS property to change the border of an element to Hex 176B3F 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
#176B3F }
```

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

```
.border{ border-color:#176B3F }
```

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

Here you see how a box with a 4 pixel #176B3F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #176B3F; -webkit-box-shadow:4px 4px  
4px 4px #176B3F; box-shadow:4px 4px 4px  
4px #176B3F }
```

# Background

The CSS property to change the background color of an element to Hex 176B3F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#176B3F }
```

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

```
.background{ background-color:#176B3F }
```

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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