

# Converting Colors

Hex(166D4F)

Have a look what the booklet for  
Hex(166D4F) contains.

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# Color

**Hex(166D4F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	166D4F
RGB	22, 109, 79
RGB Percent	9%, 43%, 31%
CMY	0.9137, 0.5725, 0.6902
CMYK	0.80, 0.00, 0.28, 0.57
HSL	159°, 66%, 26%
HSV	159°, 80%, 43%
XYZ	7.2108, 11.6724, 9.2701
YIQ	79.5670, -42.2220, -27.7740

# Conversions

## Conversions Part 2

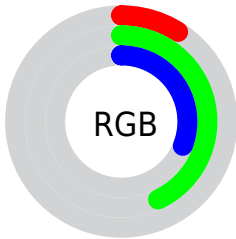
Format	Color
<b>RYB</b>	22, 75, 109
Decimal	1469775
CIELab	40.69, -32.69, 9.76
CIElCh	41, 34.115, 163.379
Yxy	11.6724, 0.2561, 0.4146
Android (android.graphics.Color)	4279659855 (0xFF166D4F)
YUV	79.5670, -0.2795, -50.4863
Hunter-Lab	34.1648, -22.1144, 7.8280

# Details

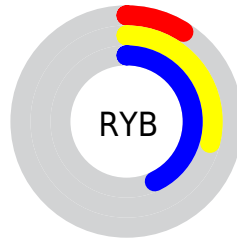
The Hex color **166D4F** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6D1634**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **51A180**, and **003C23** is the 20% darker color. If you saturate the color by 10%, you get **0B6D4B**, and if you desaturate by 10%, it is **216D53**.

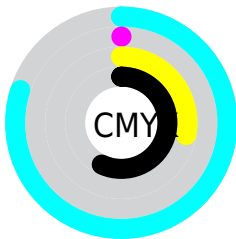
# Distribution



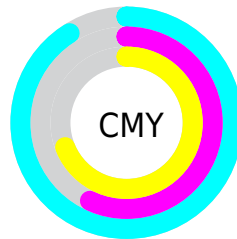
- Red (9%)
- Green (43%)
- Blue (31%)



- Red (9%)
- Yellow (29%)
- Blue (43%)



- Cyan (80%)
- Magenta (0%)
- Yellow (28%)
- Black (57%)



- Cyan (91%)
- Magenta (57%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 166D4F 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 166D4F by changing the saturation by 10% instead.



 166D4F

 166D4F

FFFFFF

 005438

 51A180

 003C23

 6CBD9A

 00270D

 87D9B5

 000500

 A3F5D1

 000000

 BFF FED

 DCFFFF

 F9FFFF

 166D4F

 166D4F

■ 0B6D4B

■ 216D53

■ 006D47

■ 2C6D57

■ 376D5A

■ 426D5E

■ 4C6D62

■ 576D66

■ 626D69

■ 6D6D6D

■ 786D71

# Harmonies

## Analogous

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



456936



166D4F



006E6C

# Triad

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



166D4F



475F96



8F4F3B

# Complementary

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



166D4F



6D1634

# 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.



944854



166D4F



725489

# Square

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



166D4F



006795



8C4A71



7D592A

# Rectangle

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



166D4F



006D7E



8C4A71



924C43



# Sweetspot

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



166D4F



6D8F83



346D16



334740



C7C7C7



474747



# Same Dimension

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



166D4F



068F60



16606D



303634



00754D



00F5A0



# Inverse Universe

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



6D1634



8F0635



6D2316



363032



750028



F50054



# Previews

## White Background



This preview shows how the Hex color 166D4F looks on a white background.

## Color Contrast Check

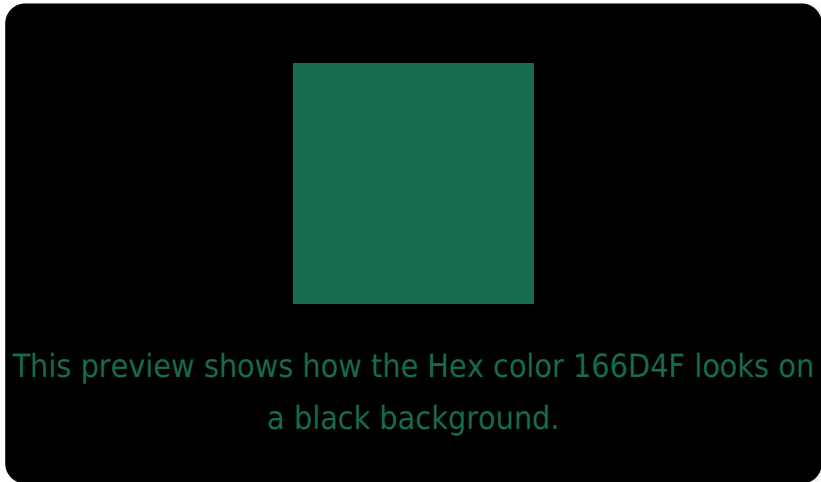
Large Text (above 18pt) WCAG AA ✓ Pass

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

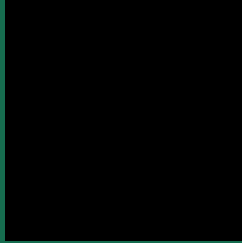
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 166D4F Background



This preview shows how black text looks on a background with the Hex color 166D4F.



This preview shows how white text looks on a background with the Hex color 166D4F.

# 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**  
166D4F

**Protanopia**  
665F49

**Deuteranopia**  
6D5C53



**Tritanopia**  
296971

# Trichromacy



**Original Color**  
166D4F

**Protanomaly**  
49644B

**Deuteranomaly**  
4D6252

**Tritanomaly**  
226A65

# Monochromacy



**Original Color**  
166D4F

**Achromatopsia**  
505050

**Achromatomaly**  
3B5B50

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 166D4F 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 #166D4F looks like.

```
.text, #text, p{  
    color:#166D4F  
}
```

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 #166D4F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #166D4F
}
```

## Border

The CSS property to change the border of an element to Hex 166D4F 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
#166D4F }
```

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

```
.border{ border-color:#166D4F }
```

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

Here you see how a box with a 4 pixel #166D4F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #166D4F; -webkit-box-shadow:4px 4px  
4px 4px #166D4F; box-shadow:4px 4px 4px  
4px #166D4F }
```

# Background

The CSS property to change the background color of an element to Hex 166D4F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#166D4F }
```

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

```
.background{ background-color:#166D4F }
```

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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