

# Converting Colors

Hex(316F42)

Have a look what the booklet for  
Hex(316F42) contains.

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# Color

Hex(316F42)

# Conversions

## Conversions Part 1

Format	Color
Hex	316F42
RGB	49, 111, 66
RGB Percent	19%, 44%, 26%
CMY	0.8078, 0.5647, 0.7412
CMYK	0.56, 0.00, 0.41, 0.56
HSL	136°, 39%, 31%
HSV	136°, 56%, 44%
XYZ	7.9344, 12.4152, 7.1324
YIQ	87.3320, -22.5070, -27.1390

# Conversions

## Conversions Part 2

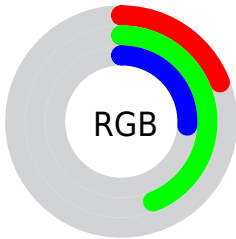
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 98, 111
Decimal	3239746
CIELab	41.87, -30.91, 19.15
CIELCh	42, 36.363, 148.220
Yxy	12.4152, 0.2887, 0.4518
Android (android.graphics.Color)	4281429826 (0xFF316F42)
YUV	87.3320, -10.5167, -33.6172
Hunter-Lab	35.2352, -21.4661, 12.6629

# Details

The Hex color **316F42** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6F315E**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **64A372**, and **003E16** is the 20% darker color. If you saturate the color by 10%, you get **266F3A**, and if you desaturate by 10%, it is **3C6F4A**.

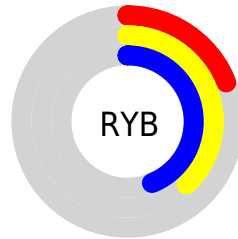
# Distribution



 Red (19%)

 Green (44%)

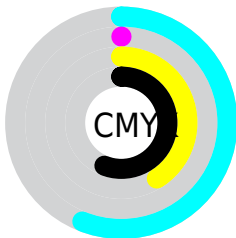
 Blue (26%)




 Red (19%)

 Yellow (38%)

 Blue (44%)

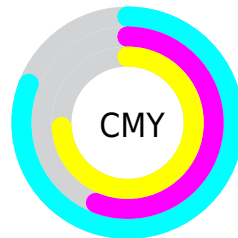


 Cyan (56%)


 Magenta (0%)

 Yellow (41%)

 Black (56%)



 Cyan (81%)

 Magenta (56%)

 Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 316F42 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 316F42 by changing the saturation by 10% instead.





316F42



316F42

FFFFFF



15562B



64A372



003E16



7FBF8C



002800



9ADBA7



000D00



B5F7C2



000000



D1FFDE



EEFFFA



316F42



316F42



266F3A



3C6F4A

■ 1B6F32

■ 476F52

■ 106F2A

■ 526F5A

■ 056F22

■ 5D6F62

■ 006F1E

■ 696F6A

■ 746F72

■ 7F6F7A

■ 8A6F82

■ 956F8B

# Harmonies

## Analogous

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



58692C



316F42



007260

# Triad

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



316F42



21679E



994C48

# Complementary

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



316F42



6F315E

# 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.



984966



316F42



615C98

# Square

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



316F42



006E95



865083



8D5630

# Rectangle

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



316F42



007275



865083



9B4A52



# Sweetspot

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



316F42



79917F



5E6F31



3B4A3F



C9C9C9



4A4A4A



# Same Dimension

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



316F42



30914B



316F61



323834



007821



00F744



# Inverse Universe

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



6F315E



913077



6F313F



383237



780057

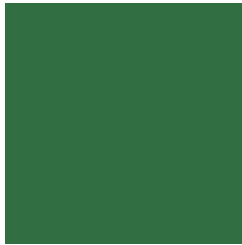


F700B4



# Previews

## White Background



This preview shows how the Hex color 316F42 looks on a white background.

## Color Contrast Check

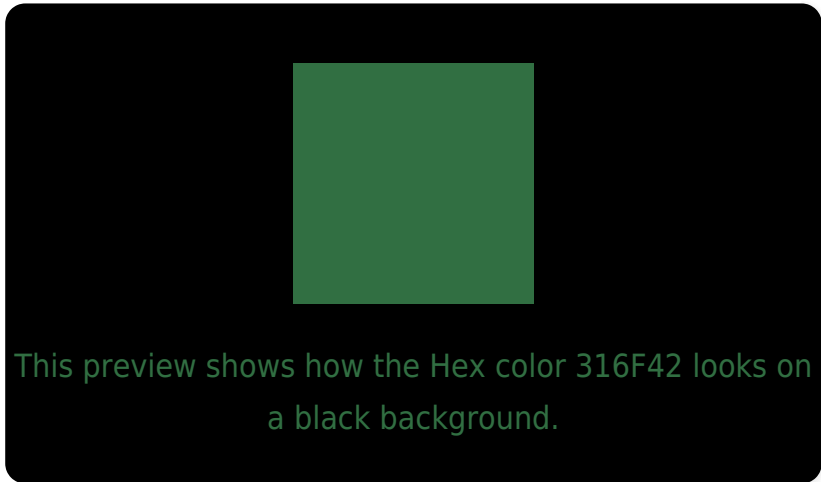
Large Text (above 18pt) WCAG AA ✓ Pass

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

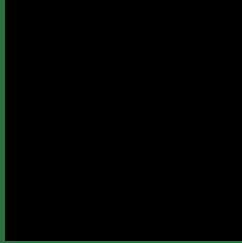
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 316F42 Background



This preview shows how black text looks on a background with the Hex color 316F42.



This preview shows how white text looks on a background with the Hex color 316F42.

# 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**  
316F42

**Protanopia**  
6B623D

**Deuteranopia**  
755E46



**Tritanopia**  
3E6972

# Trichromacy



**Original Color**  
316F42

**Protanomaly**  
56673F

**Deuteranomaly**  
5C6445

**Tritanomaly**  
396B61

# Monochromacy



**Original Color**  
316F42

**Achromatopsia**  
575757

**Achromatomaly**  
49604F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 316F42 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 #316F42 looks like.

```
.text, #text, p{  
    color:#316F42  
}
```

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 #316F42 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #316F42
}
```

## Border

The CSS property to change the border of an element to Hex 316F42 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
#316F42 }
```

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

```
.border{ border-color:#316F42 }
```

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

Here you see how a box with a 4 pixel #316F42 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #316F42; -webkit-box-shadow:4px 4px  
4px 4px #316F42; box-shadow:4px 4px 4px  
4px #316F42 }
```

# Background

The CSS property to change the background color of an element to Hex 316F42 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#316F42 }
```

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

```
.background{ background-color:#316F42 }
```

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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