

# Converting Colors

Hex(316A3B)

Have a look what the booklet for  
Hex(316A3B) contains.

<b>Hex(316A3B)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(316A3B)

# Conversions

## Conversions Part 1

Format	Color
Hex	316A3B
RGB	49, 106, 59
RGB Percent	19%, 42%, 23%
CMY	0.8078, 0.5843, 0.7686
CMYK	0.54, 0.00, 0.44, 0.58
HSL	131°, 37%, 30%
HSV	131°, 54%, 42%
XYZ	7.2101, 11.2768, 5.9343
YIQ	83.5990, -18.8850, -26.7010

# Conversions

## Conversions Part 2

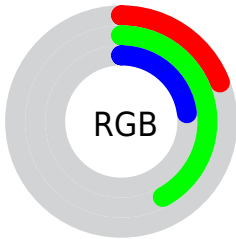
Format	Color
<b>RYB</b>	49, 97, 106
Decimal	3238459
CIELab	40.04, -29.90, 20.80
CIElCh	40, 36.425, 145.184
Yxy	11.2768, 0.2952, 0.4618
Android (android.graphics.Color)	4281428539 (0xFF316A3B)
YUV	83.5990, -12.1273, -30.3433
Hunter-Lab	33.5810, -20.4414, 13.0292

# Details

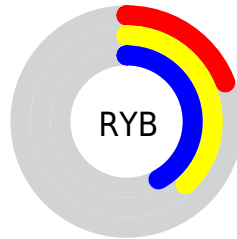
The Hex color **316A3B** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6A3160**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **649E6B**, and **003A0F** is the 20% darker color. If you saturate the color by 10%, you get **266A32**, and if you desaturate by 10%, it is **3C6A44**.

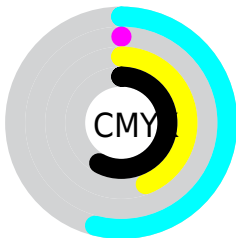
# Distribution



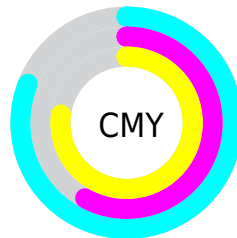
- Red (19%)
- Green (42%)
- Blue (23%)



- Red (19%)
- Yellow (38%)
- Blue (42%)



- Cyan (54%)
- Magenta (0%)
- Yellow (44%)
- Black (58%)




- Cyan (81%)
- Magenta (58%)
- Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 316A3B 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 316A3B by changing the saturation by 10% instead.



 316A3B

 316A3B

FFFFFF

 165125

 649E6B

 003A0F

 7EB984

 002400


 99D59F


 000000

 B4F1BA

 D0FFD5

 EDFFF2

 316A3B

 316A3B

 266A32

 3C6A44

■ 1C6A2A

■ 466A4C

■ 116A21

■ 516A55

■ 076A18

■ 5B6A5E

■ 006A13

■ 666A67

■ 716A6F

■ 7B6A78

■ 866A81

■ 906A8A

# Harmonies

## Analogous

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



566426



316A3B



006D58

# Triad

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



316A3B



056399



954647

# Complementary

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



316A3B



6A3160

# 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.



924564



316A3B



585894

# Square

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



316A3B



006A8F



7E4D81



89502E

# Rectangle

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



316A3B



006D6D



7E4D81



964550



# Sweetspot

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



316A3B



748A78



616A31



38453A



C4C4C4



454545



# Same Dimension

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



316A3B



308A40



316A57



303631



007515



00F52B



# Inverse Universe

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



6A3160



8A307A



6A3144



363035



750061

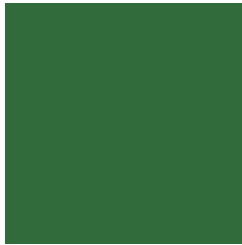


F500CA



# Previews

## White Background



This preview shows how the Hex color 316A3B looks on a white background.

## Color Contrast Check

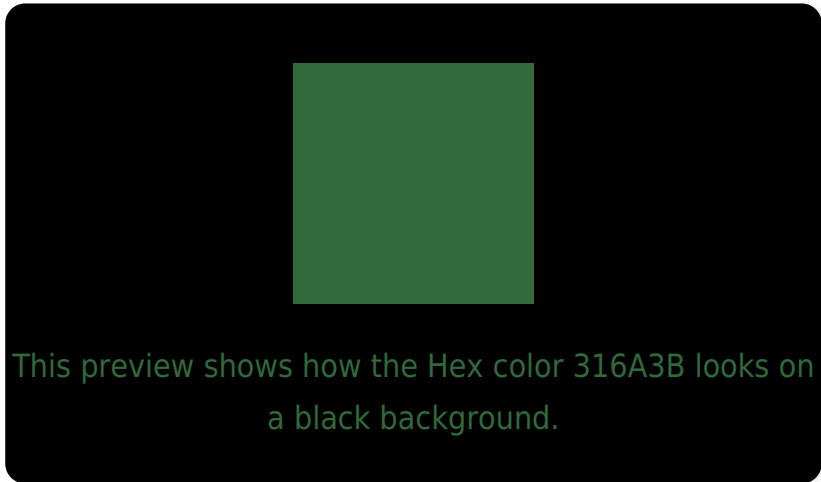
Large Text (above 18pt) WCAG AA ✓ Pass

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 316A3B Background



This preview shows how black text looks on a background with the Hex color 316A3B.



This preview shows how white text looks on a background with the Hex color 316A3B.

# 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**  
316A3B

**Protanopia**  
675E37

**Deuteranopia**  
715A3F



**Tritanopia**  
3D646C

# Trichromacy



**Original Color**  
316A3B

**Protanomaly**  
536238

**Deuteranomaly**  
5A603E

**Tritanomaly**  
39665A

# Monochromacy



**Original Color**  
316A3B

**Achromatopsia**  
545454

**Achromatomaly**  
475C4B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 316A3B 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 #316A3B looks like.

```
.text, #text, p{  
  color:#316A3B  
}
```

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 #316A3B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #316A3B
}
```

## Border

The CSS property to change the border of an element to Hex 316A3B 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
#316A3B }
```

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

```
.border{ border-color:#316A3B }
```

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

Here you see how a box with a 4 pixel #316A3B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #316A3B; -webkit-box-shadow:4px 4px  
4px 4px #316A3B; box-shadow:4px 4px 4px  
4px #316A3B }
```

# Background

The CSS property to change the background color of an element to Hex 316A3B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#316A3B }
```

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

```
.background{ background-color:#316A3B }
```

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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