

# Converting Colors

Hex(316046)

Have a look what the booklet for  
Hex(316046) contains.

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# Color

**Hex(316046)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	316046
RGB	49, 96, 70
RGB Percent	19%, 38%, 27%
CMY	0.8078, 0.6235, 0.7255
CMYK	0.49, 0.00, 0.27, 0.62
HSL	147°, 32%, 28%
HSV	147°, 49%, 38%
XYZ	6.5550, 9.4609, 7.2750
YIQ	78.9830, -19.6660, -18.0500

# Conversions

## Conversions Part 2

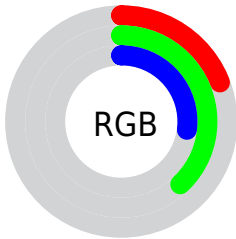
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 81, 96
Decimal	3235910
CIE <sub>Lab</sub>	36.86, -22.79, 9.98
CIE <sub>LCh</sub>	37, 24.876, 156.356
Yxy	9.4609, 0.2814, 0.4062
Android (android.graphics.Color)	4281425990 (0xFF316046)
YUV	78.9830, -4.4286, -26.2951
Hunter-Lab	30.7586, -15.7873, 7.5078




# Details

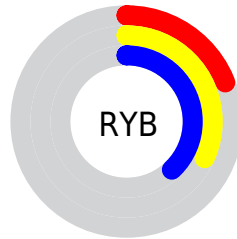
The Hex color **316046** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **60314B**, and the grayscale version is **4F4F4F**.




A 20% lighter version of the original color is **629376**, and **00311B** is the 20% darker color. If you saturate the color by 10%, you get **276041**, and if you desaturate by 10%, it is **3B604B**.

# Distribution







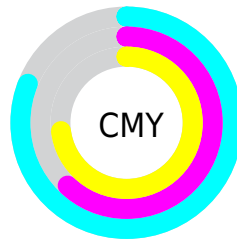
-  Red (19%)
-  Green (38%)
-  Blue (27%)






-  Red (19%)
-  Yellow (32%)
-  Blue (38%)



-  Cyan (49%)
-  Magenta (0%)
-  Yellow (27%)
-  Black (62%)




-  Cyan (81%)
-  Magenta (62%)
-  Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 316046 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 316046 by changing the saturation by 10% instead.



 316046

 316046

FFFFFF

 184830

 629376

 00311B

 7CAE90

 001E00


 96C9AB

 000000

 B2E5C6

 CDFFE2

 EAFFFF

 316046

 316046

 276041

 3B604B

■ 1E603B

■ 446051

■ 146036

■ 4E6056

■ 0B6031

■ 57605B

■ 01602B

■ 616061

■ 00602B

■ 6B6066

■ 74606B

■ 7E6070

■ 876076

# Harmonies

## Analogous

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



4A5C36



316046



0F615A

# Triad

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



316046



40577E



7B4A40

# Complementary

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



316046



60314B

# 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.



7D4753



316046



5E5077

# Square

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



316046



185D7B



734967



715032

# Rectangle

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



316046



006168



734967



7D4846



# Sweetspot

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



316046



6A7D73



4C6031



344039



BFBFBF



404040



# Same Dimension

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



316046



337D54



31605D



2C302E



007032



00F06B



# Inverse Universe

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



60314B



7D335C



603134



302C2E



70003E



F00085



# Previews

## White Background



This preview shows how the Hex color 316046 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 ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

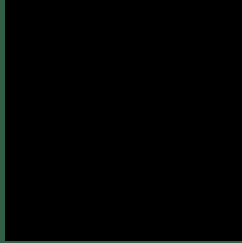
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 316046 Background



This preview shows how black text looks on a background with the Hex color 316046.



This preview shows how white text looks on a background with the Hex color 316046.

# 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**  
316046

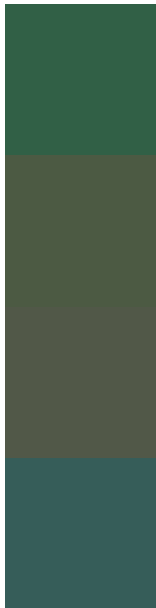
**Protanopia**  
5C5641

**Deuteranopia**  
635349



**Tritanopia**  
395C64

# Trichromacy



**Original Color**  
316046

**Protanomaly**  
4C5A43

**Deuteranomaly**  
515848

**Tritanomaly**  
365D59

# Monochromacy



**Original Color**  
316046

**Achromatopsia**  
4F4F4F

**Achromatomaly**  
44554C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 316046 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 #316046 looks like.

```
.text, #text, p{  
    color:#316046  
}
```

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 #316046 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #316046
}
```

## Border

The CSS property to change the border of an element to Hex 316046 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
#316046 }
```

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

```
.border{ border-color:#316046 }
```

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

Here you see how a box with a 4 pixel #316046 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #316046; -webkit-box-shadow:4px 4px  
4px 4px #316046; box-shadow:4px 4px 4px  
4px #316046 }
```

# Background

The CSS property to change the background color of an element to Hex 316046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#316046 }
```

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

```
.background{ background-color:#316046 }
```

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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