

# Converting Colors

Hex(316637)

Have a look what the booklet for  
Hex(316637) contains.

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# Color

**Hex(316637)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	316637
RGB	49, 102, 55
RGB Percent	19%, 40%, 22%
CMY	0.8078, 0.6000, 0.7843
CMYK	0.52, 0.00, 0.46, 0.60
HSL	127°, 35%, 30%
HSV	127°, 52%, 40%
XYZ	6.7076, 10.4315, 5.2744
YIQ	80.7950, -16.5010, -25.8530

# Conversions

## Conversions Part 2

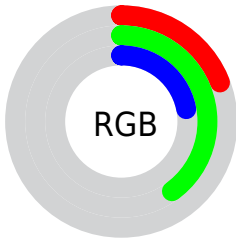
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 97, 102
Decimal	3237431
CIELab	38.61, -28.75, 21.24
CIElCh	39, 35.744, 143.539
Yxy	10.4315, 0.2993, 0.4654
Android (android.graphics.Color)	4281427511 (0xFF316637)
YUV	80.7950, -12.7169, -27.8842
Hunter-Lab	32.2979, -19.4507, 12.9262

# Details

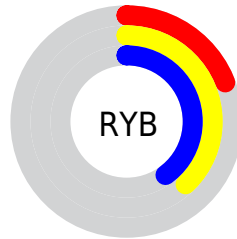
The Hex color **316637** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **663160**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **639A67**, and **00360B** is the 20% darker color. If you saturate the color by 10%, you get **27662E**, and if you desaturate by 10%, it is **3B6640**.

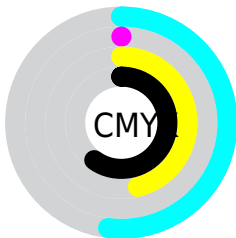
# Distribution



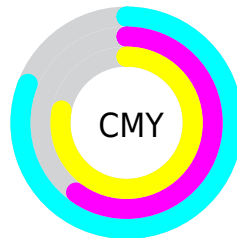
- Red (19%)
- Green (40%)
- Blue (22%)



- Red (19%)
- Yellow (38%)
- Blue (40%)



- Cyan (52%)
- Magenta (0%)
- Yellow (46%)
- Black (60%)




- Cyan (81%)
- Magenta (60%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 316637 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 316637 by changing the saturation by 10% instead.



 316637

 316637

FFFFFF

 174E21

 639A67

 00360B

 7DB580

 002200


 98D09A

 000000

 B3EDB5

 CFFFD1

 ECFFED

 316637

 316637

 27662E

 3B6640

■ 1D6625

■ 456649

■ 12661C

■ 506652

■ 086613

■ 5A665B

■ 00660C

■ 646664

■ 6E666D

■ 786676

■ 83667F

■ 8D6688

# Harmonies

## Analogous

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



556023



316637



006953

# Triad

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



316637



006094



904345

# Complementary

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



316637



663160

# 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.



8D4262



316637



525690

# Square

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



316637



006689



784A7E



864C2D

# Rectangle

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



316637



006968



784A7E



91424F



# Sweetspot

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



316637



6F8572



616631



364237



C2C2C2



424242



# Same Dimension

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



316637



32853C



316651



2E332E



00730D



00F21B



# Inverse Universe

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



663160



85327B



663146



332E32



730066

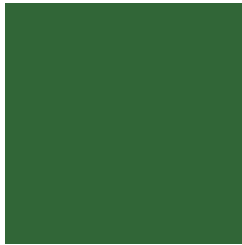


F200D7



# Previews

## White Background



This preview shows how the Hex color 316637 looks on a white background.

## Color Contrast Check

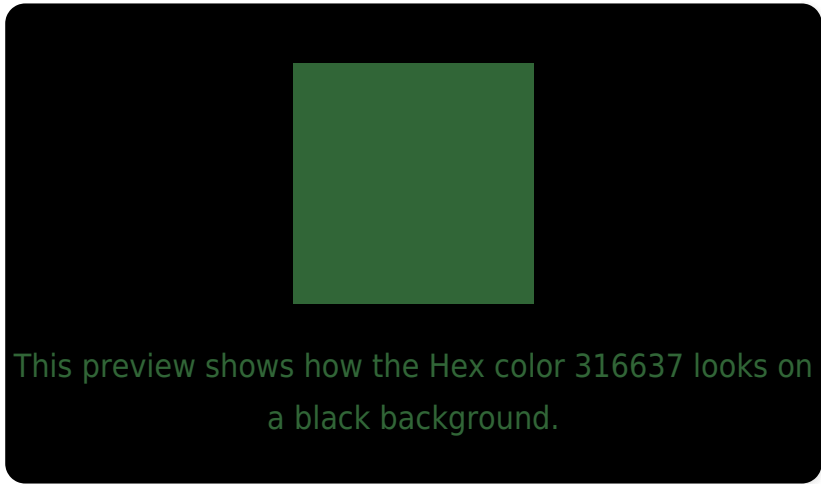
Large Text (above 18pt) WCAG AA ✓ Pass

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

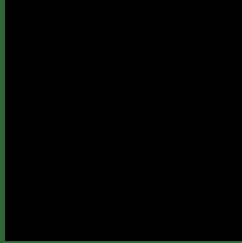
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 316637 Background



This preview shows how black text looks on a background with the Hex color 316637.



This preview shows how white text looks on a background with the Hex color 316637.

# 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**  
316637

**Protanopia**  
635B33

**Deuteranopia**  
6D573B



**Tritanopia**  
3C6068

# Trichromacy



**Original Color**  
316637

**Protanomaly**  
515F34

**Deuteranomaly**  
575C3A

**Tritanomaly**  
386256

# Monochromacy



**Original Color**  
316637

**Achromatopsia**  
515151

**Achromatomaly**  
455948

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 316637 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 #316637 looks like.

```
.text, #text, p{  
    color:#316637  
}
```

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 #316637 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #316637
}
```

## Border

The CSS property to change the border of an element to Hex 316637 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".

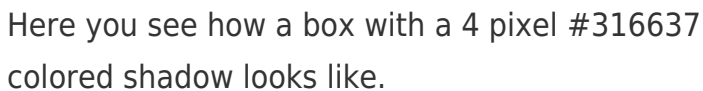
```
.border, #border, table{ border:4px solid
#316637 }
```

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

```
.border{ border-color:#316637 }
```

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

Here you see how a box with a 4 pixel #316637 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #316637; -webkit-box-shadow:4px 4px  
4px 4px #316637; box-shadow:4px 4px 4px  
4px #316637 }
```

# Background

The CSS property to change the background color of an element to Hex 316637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#316637 }
```

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

```
.background{ background-color:#316637 }
```

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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