

# Converting Colors

Hex(317868)

Have a look what the booklet for  
Hex(317868) contains.

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# Color

Hex(317868)

# Conversions

## Conversions Part 1

Format	Color
Hex	317868
RGB	49, 120, 104
RGB Percent	19%, 47%, 41%
CMY	0.8078, 0.5294, 0.5922
CMYK	0.59, 0.00, 0.13, 0.53
HSL	166°, 42%, 33%
HSV	166°, 59%, 47%
XYZ	10.4818, 15.0854, 15.4560
YIQ	96.9470, -37.1800, -20.0280

# Conversions

## Conversions Part 2

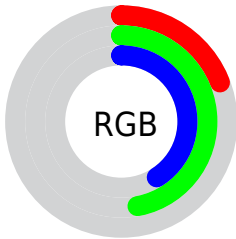
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 89, 120
Decimal	3242088
CIELab	45.75, -26.39, 2.14
CIElCh	46, 26.480, 175.371
Yxy	15.0854, 0.2555, 0.3677
Android (android.graphics.Color)	4281432168 (0xFF317868)
YUV	96.9470, 3.4771, -42.0495
Hunter-Lab	38.8399, -19.7978, 3.5940

# Details

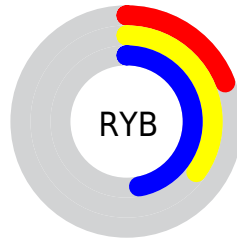
The Hex color **317868** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **783141**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **66AD9B**, and **004739** is the 20% darker color. If you saturate the color by 10%, you get **257865**, and if you desaturate by 10%, it is **3D786B**.

# Distribution



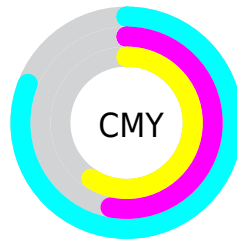
- Red (19%)
- Green (47%)
- Blue (41%)



- Red (19%)
- Yellow (35%)
- Blue (47%)



- Cyan (59%)
- Magenta (0%)
- Yellow (13%)
- Black (53%)




- Cyan (81%)
- Magenta (53%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 317868 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 317868 by changing the saturation by 10% instead.



 317868

 317868

FFFFFF

 125F50

 66AD9B

 004739

 81C8B6

 003024

 9DE4D1


 001D0E


 B8FFEE

 000000

 D5FFFF

 F2FFFF

 317868

 317868

 257865

 3D786B

■ 197863

■ 49786D

■ 0D7860

■ 557870

■ 01785D

■ 617873

■ 00785D

■ 6D7876

■ 797878

■ 85787B

■ 91787E

■ 9D7880

# Harmonies

## Analogous

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



4E7652



317868



15787F

# Triad

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



317868



6A6894



8F6249

# Complementary

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



317868



783141

# 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.



975C5A



317868



856086

# Square

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



317868



477098



945B71



7E6A40

# Rectangle

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



317868



17768B



945B71



93604E



# Sweetspot

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



317868



809C95



427831



3E4F4B



CFCFCF



4F4F4F



# Same Dimension

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



317868



2D9C83



316578



373D3C



007D61



00FCC4



# Inverse Universe

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



783141



9C2D46



784431



3D3738



7D001C



FC0039



# Previews

## White Background



This preview shows how the Hex color 317868 looks on a white background.

## Color Contrast Check

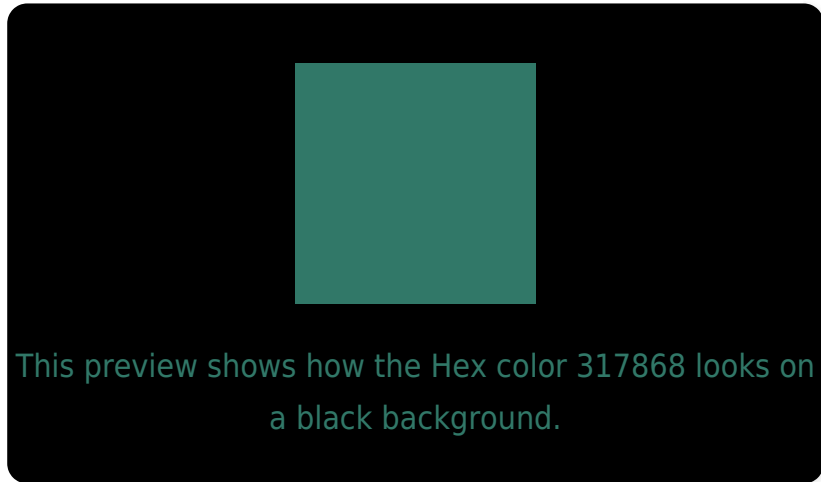
Large Text (above 18pt) WCAG AA ✓ Pass

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

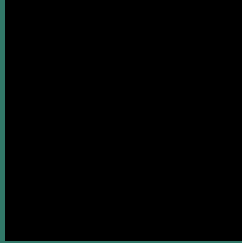
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 317868 Background



This preview shows how black text looks on a background with the Hex color 317868.

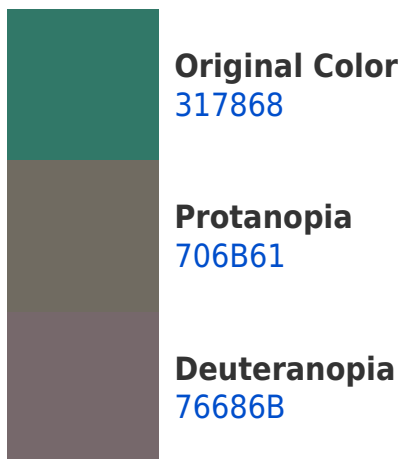


This preview shows how white text looks on a background with the Hex color 317868.

# 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





**Tritanopia**  
39757E

# Trichromacy



**Original Color**  
317868

**Protanomaly**  
597064

**Deuteranomaly**  
5D6E6A

**Tritanomaly**  
367676

# Monochromacy



**Original Color**  
317868

**Achromatopsia**  
616161

**Achromatomaly**  
506964

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 317868 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 #317868 looks like.

```
.text, #text, p{  
    color:#317868  
}
```

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 #317868 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #317868  
}
```

## Border

The CSS property to change the border of an element to Hex 317868 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".

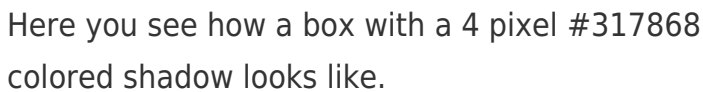
```
.border, #border, table{ border:4px solid  
#317868 }
```

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

```
.border{ border-color:#317868 }
```

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

Here you see how a box with a 4 pixel #317868 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #317868; -webkit-box-shadow:4px 4px  
4px 4px #317868; box-shadow:4px 4px 4px  
4px #317868 }
```

# Background

The CSS property to change the background color of an element to Hex 317868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#317868 }
```

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

```
.background{ background-color:#317868 }
```

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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