

# Converting Colors

Hex(317A68)

Have a look what the booklet for  
Hex(317A68) contains.

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# Color

Hex(317A68)

# Conversions

## Conversions Part 1

Format	Color
Hex	317A68
RGB	49, 122, 104
RGB Percent	19%, 48%, 41%
CMY	0.8078, 0.5216, 0.5922
CMYK	0.60, 0.00, 0.15, 0.52
HSL	165°, 43%, 34%
HSV	165°, 60%, 48%
XYZ	10.7248, 15.5715, 15.5370
YIQ	98.1210, -37.7300, -21.0740

# Conversions

## Conversions Part 2

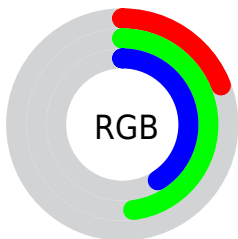
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 91, 122
Decimal	3242600
CIELab	46.41, -27.38, 3.09
CIElCh	46, 27.557, 173.569
Yxy	15.5715, 0.2564, 0.3722
Android (android.graphics.Color)	4281432680 (0xFF317A68)
YUV	98.1210, 2.8983, -43.0791
Hunter-Lab	39.4608, -20.5427, 4.2780

# Details

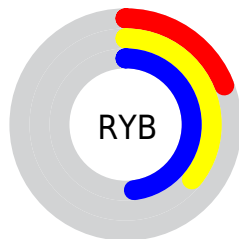
The Hex color **317A68** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7A3143**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **67AF9B**, and **004939** is the 20% darker color. If you saturate the color by 10%, you get **257A65**, and if you desaturate by 10%, it is **3D7A6B**.

# Distribution



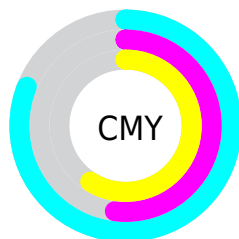
- Red (19%)
- Green (48%)
- Blue (41%)



- Red (19%)
- Yellow (36%)
- Blue (48%)



- Cyan (60%)
- Magenta (0%)
- Yellow (15%)
- Black (52%)



- Cyan (81%)
- Magenta (52%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 317A68 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 317A68 by changing the saturation by 10% instead.





317A68



317A68

FFFFFF



126150



67AF9B



004939



82CAB6



003124



9DE7D1



001F0E



B9FFEE



000000



D5FFFF



F2FFFF



317A68



317A68



257A65



3D7A6B

■ 197A62

■ 497A6E

■ 0C7A5F

■ 567A71

■ 007A5C

■ 627A74

■ 6E7A77

■ 7A7A7A

■ 867A7D

■ 937A80

■ 9F7A83

# Harmonies

## Analogous

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



507752



317A68



0D7A80

# Triad

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



317A68



696A98



93634A

# Complementary

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



317A68



7A3143

# 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.



9B5D5D



317A68



86628A

# Square

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



317A68



44729B



975C74



826B40

# Rectangle

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



317A68



0C798D



975C74



97614F



# Sweetspot

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



317A68



829E97



437A31



3E4F4B



CFCFCF



4F4F4F



# Same Dimension

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



317A68



2C9E82



31687A



373D3C



007D5E



00FCBE



# Inverse Universe

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



7A3143



9E2C48



7A4331



3D3739



7D001F



FC003E



# Previews

## White Background



This preview shows how the Hex color 317A68 looks on a white background.

## Color Contrast Check

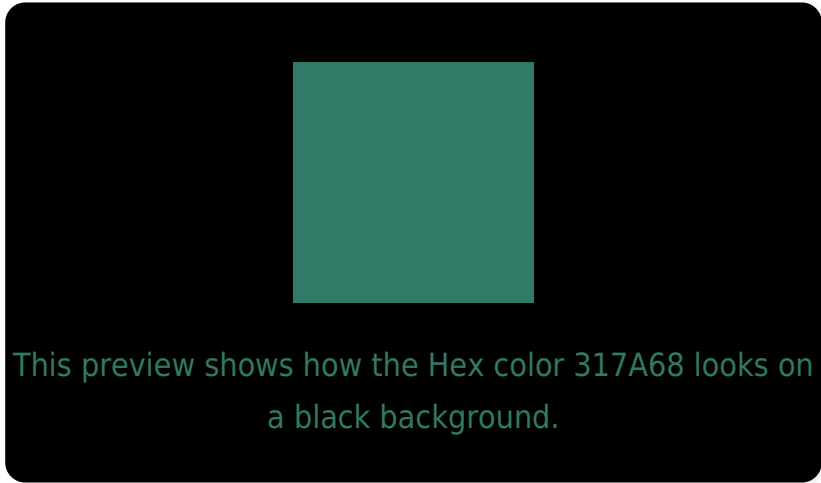
Large Text (above 18pt) WCAG AA ✓ Pass

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 317A68 Background



This preview shows how black text looks on a background with the Hex color 317A68.

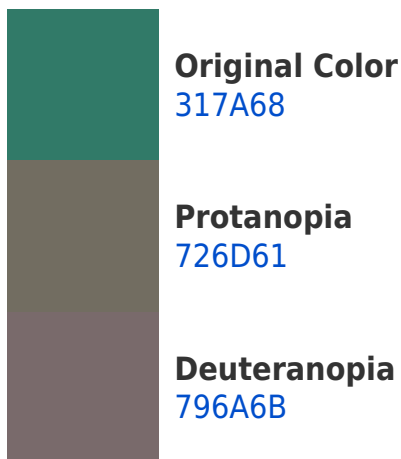


This preview shows how white text looks on a background with the Hex color 317A68.

# 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**  
3A7780

# Trichromacy



**Original Color**  
317A68

**Protanomaly**  
5A7264

**Deuteranomaly**  
5F706A

**Tritanomaly**  
377877

# Monochromacy



**Original Color**  
317A68

**Achromatopsia**  
626262

**Achromatomaly**  
506B64

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 317A68 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 #317A68 looks like.

```
.text, #text, p{  
    color:#317A68  
}
```

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 #317A68 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #317A68  
}
```

## Border

The CSS property to change the border of an element to Hex 317A68 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  
#317A68 }
```

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

```
.border{ border-color:#317A68 }
```

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

Here you see how a box with a 4 pixel #317A68 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #317A68; -webkit-box-shadow:4px 4px  
4px 4px #317A68; box-shadow:4px 4px 4px  
4px #317A68 }
```

# Background

The CSS property to change the background color of an element to Hex 317A68 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#317A68 }
```

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

```
.background{ background-color:#317A68 }
```

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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