

# Converting Colors

Hex(317B3F)

Have a look what the booklet for  
Hex(317B3F) contains.

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# Color

Hex(317B3F)

# Conversions

## Conversions Part 1

Format	Color
Hex	317B3F
RGB	49, 123, 63
RGB Percent	19%, 48%, 25%
CMY	0.8078, 0.5176, 0.7529
CMYK	0.60, 0.00, 0.49, 0.52
HSL	131°, 43%, 34%
HSV	131°, 60%, 48%
XYZ	9.2468, 15.1778, 7.1449
YIQ	94.0340, -24.8440, -34.3480

# Conversions

## Conversions Part 2

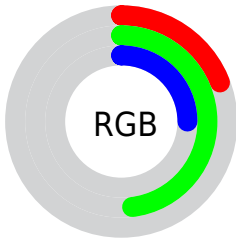
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 111, 123
Decimal	3242815
CIELab	45.88, -36.75, 26.01
CIELCh	46, 45.025, 144.705
Yxy	15.1778, 0.2929, 0.4808
Android (android.graphics.Color)	4281432895 (0xFF317B3F)
YUV	94.0340, -15.2998, -39.4948
Hunter-Lab	38.9587, -25.8109, 16.3975

# Details

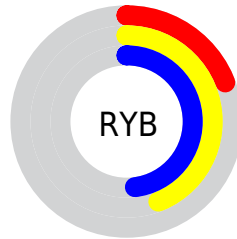
The Hex color **317B3F** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7B316D**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **67B070**, and **004912** is the 20% darker color. If you saturate the color by 10%, you get **257B35**, and if you desaturate by 10%, it is **3D7B49**.

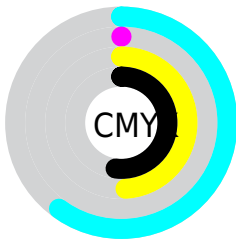
# Distribution



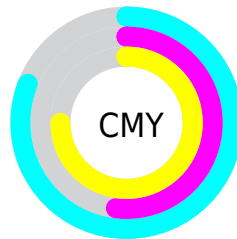
- Red (19%)
- Green (48%)
- Blue (25%)



- Red (19%)
- Yellow (44%)
- Blue (48%)



- Cyan (60%)
- Magenta (0%)
- Yellow (49%)
- Black (52%)



- Cyan (81%)
- Magenta (52%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 317B3F 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 317B3F by changing the saturation by 10% instead.





317B3F



317B3F

FFFFFF



126228



67B070



004912



82CC89



003200



9DE8A4



001D00



B9FFBF



000000



D5FFDB



F2FFF8



317B3F



317B3F



257B35



3D7B49

 187B2B

 4A7B53

 0C7B21

 567B5D

 007B17

 627B67

 6F7B71

 7B7B7B

 877B85

 937B8F

 A07B99

# Harmonies

## Analogous

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



627423



317B3F



007E64

# Triad

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



317B3F



0073B8



B14D4F

# Complementary

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



317B3F



7B316D

# 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.



AD4B75



317B3F



6265B1

# Square

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



317B3F



007BAA



945699



A25A2F

# Rectangle

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



317B3F



007F7F



945699



B24B5C



# Sweetspot

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



317B3F



84A189



6D7B31



405243



D1D1D1



525252



# Same Dimension

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



317B3F



2DA143



317B64



373D38



007D18



00FC30



# Inverse Universe

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



7B316D



A12D8B



7B3148



3D373C



7D0065



FC00CD



# Previews

## White Background



This preview shows how the Hex color 317B3F looks on a white background.

## Color Contrast Check

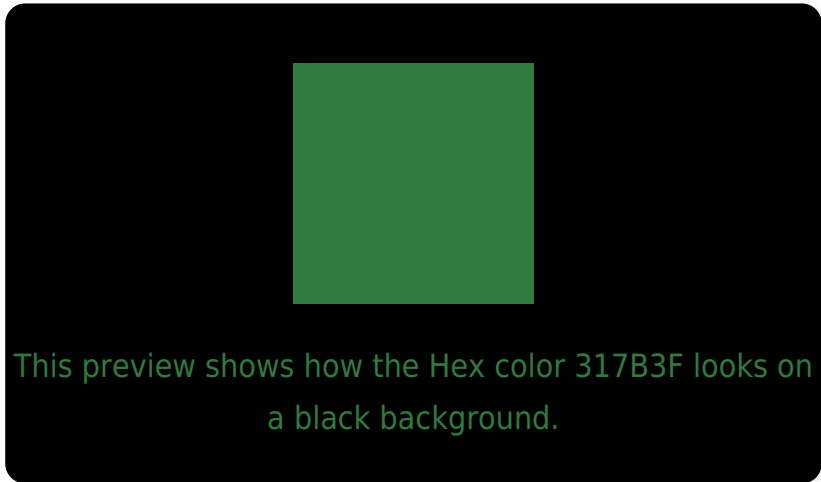
Large Text (above 18pt) WCAG AA ✓ Pass

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 317B3F Background



This preview shows how black text looks on a background with the Hex color 317B3F.



This preview shows how white text looks on a background with the Hex color 317B3F.

# 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**  
317B3F

**Protanopia**  
776C3A

**Deuteranopia**  
826744



**Tritanopia**  
42747D

# Trichromacy



**Original Color**  
317B3F

**Protanomaly**  
5E713C

**Deuteranomaly**  
656E42

**Tritanomaly**  
3C7766

# Monochromacy



**Original Color**  
317B3F

**Achromatopsia**  
5E5E5E

**Achromatomaly**  
4E6953

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 317B3F 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 #317B3F looks like.

```
.text, #text, p{  
    color:#317B3F  
}
```

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 #317B3F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #317B3F  
}
```

## Border

The CSS property to change the border of an element to Hex 317B3F 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  
#317B3F }
```

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

```
.border{ border-color:#317B3F }
```

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

Here you see how a box with a 4 pixel #317B3F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #317B3F; -webkit-box-shadow:4px 4px  
4px 4px #317B3F; box-shadow:4px 4px 4px  
4px #317B3F }
```

# Background

The CSS property to change the background color of an element to Hex 317B3F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#317B3F }
```

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

```
.background{ background-color:#317B3F }
```

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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