

# Converting Colors

Hex(317AA4)

Have a look what the booklet for  
Hex(317AA4) contains.

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# Color

Hex(317AA4)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	317AA4
RGB	49, 122, 164
RGB Percent	19%, 48%, 64%
CMY	0.8078, 0.5216, 0.3569
CMYK	0.70, 0.26, 0.00, 0.36
HSL	202°, 54%, 42%
HSV	202°, 70%, 64%
XYZ	14.9270, 17.2524, 37.6653
YIQ	104.9610, -56.9900, -2.4140

# Conversions

## Conversions Part 2

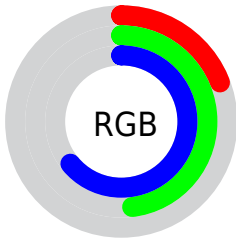
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 94, 164
Decimal	3242660
CIELab	48.58, -8.58, -29.06
CIELCh	49, 30.300, 253.542
Yxy	17.2524, 0.2137, 0.2470
Android (android.graphics.Color)	4281432740 (0xFF317AA4)
YUV	104.9610, 29.1062, -49.0778
Hunter-Lab	41.5360, -8.5395, -24.6896

# Details

The Hex color **317AA4** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **A45B31**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **6DAEDB**, and **004A70** is the 20% darker color. If you saturate the color by 10%, you get **2174A4**, and if you desaturate by 10%, it is **4180A4**.

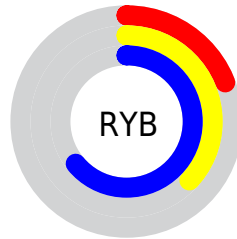
# Distribution



Red (19%)

Green (48%)

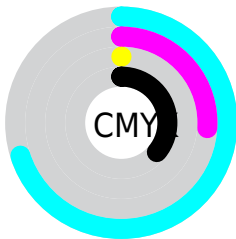
Blue (64%)



Red (19%)

Yellow (37%)

Blue (64%)

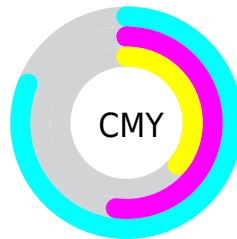


Cyan (70%)

Magenta (26%)

Yellow (0%)

Black (36%)



Cyan (81%)

Magenta (52%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 317AA4 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 317AA4 by changing the saturation by 10% instead.





317AA4



317AA4

FFFFFF



00618A



6DAEDB



004A70



89CAF8



003357



A6E6FF



001E40



C3FFFF



00032A



E0FFFF



000114

FEFFFF



000000



317AA4



317AA4



2174A4



4180A4

■ 106EA4

■ 5286A4

■ 0068A4

■ 628CA4

■ 7392A4

■ 8398A4

■ 939EA4

■ A4A4A4

■ B4AAA4

■ C5B0A4

# Harmonies

## Analogous

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



007F96



317AA4



6172A5

# Triad

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



317AA4



A55F69



5C7C4D

# Complementary

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



317AA4



A45B31

# 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.



787641



317AA4



A06451

# Square

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



317AA4



9C6183



906D42



3A8064

# Rectangle

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



317AA4



7A6C9E



906D42



667A48



# Sweetspot

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



317AA4



A9C6D6



31A459



50616B



EBEBEB



6B6B6B



# Same Dimension

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



317AA4



2294D6



3142A4



494F52



005C91



000B12



# Inverse Universe

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



A4317A



D62294



A49331



52494F



91005C



12000B



# Previews

## White Background



This preview shows how the Hex color 317AA4 looks on a white background.

## Color Contrast Check

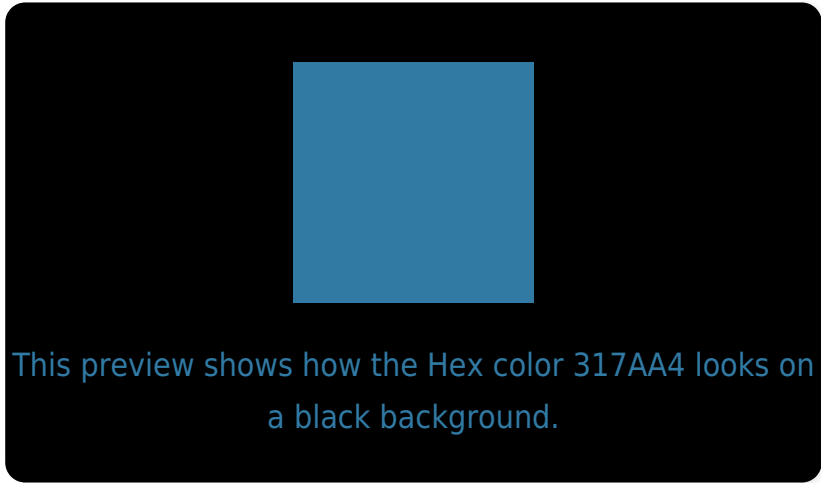
Large Text (above 18pt) WCAG AA ✓ Pass

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 317AA4 Background



This preview shows how black text looks on a background with the Hex color 317AA4.

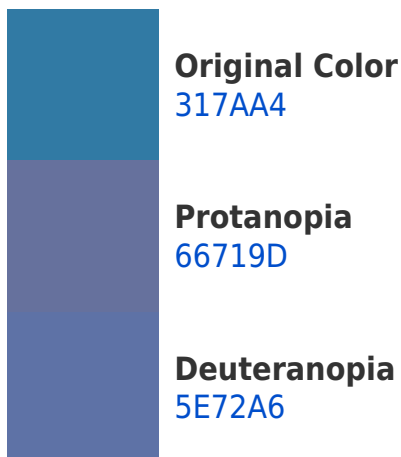


This preview shows how white text looks on a background with the Hex color 317AA4.

# 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](#).

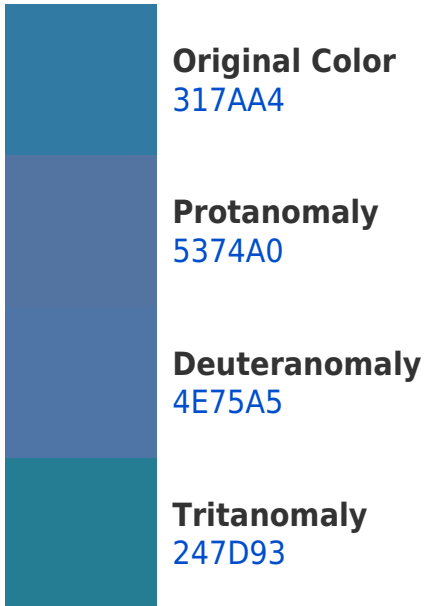
## Dichromacy





**Tritanopia**  
1D7F89

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 317AA4 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 #317AA4 looks like.

```
.text, #text, p{  
    color:#317AA4  
}
```

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 #317AA4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #317AA4
}
```

## Border

The CSS property to change the border of an element to Hex 317AA4 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
#317AA4 }
```

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

```
.border{ border-color:#317AA4 }
```

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

Here you see how a box with a 4 pixel #317AA4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #317AA4; -webkit-box-shadow:4px 4px  
4px 4px #317AA4; box-shadow:4px 4px 4px  
4px #317AA4 }
```

# Background

The CSS property to change the background color of an element to Hex 317AA4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#317AA4 }
```

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

```
.background{ background-color:#317AA4 }
```

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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