

# Converting Colors

Hex(314CB2)

Have a look what the booklet for  
Hex(314CB2) contains.

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# Color

**Hex(314CB2)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	314CB2
RGB	49, 76, 178
RGB Percent	19%, 30%, 70%
CMY	0.8078, 0.7020, 0.3020
CMYK	0.72, 0.57, 0.00, 0.30
HSL	227°, 57%, 45%
HSV	227°, 72%, 70%
XYZ	11.8869, 9.0362, 43.2371
YIQ	79.5550, -48.8340, 25.9980

# Conversions

## Conversions Part 2

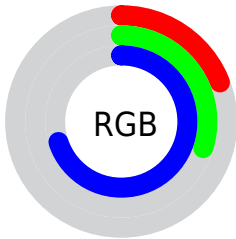
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	49, 71, 178
Decimal	3230898
CIE Lab	36.05, 25.67, -57.26
CIE LCh	36, 62.748, 294.150
Yxy	9.0362, 0.1853, 0.1408
Android (android.graphics.Color)	4281420978 (0xFF314CB2)
YUV	79.5550, 48.5334, -26.7967
Hunter-Lab	30.0603, 17.9800, -64.2374

# Details

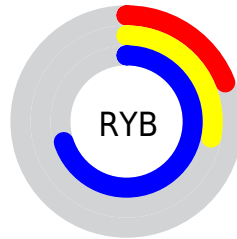
The Hex color **314CB2** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **B29731**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **707CEB**, and **00217C** is the 20% darker color. If you saturate the color by 10%, you get **1F3EB2**, and if you desaturate by 10%, it is **435AB2**.

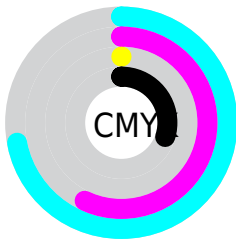
# Distribution



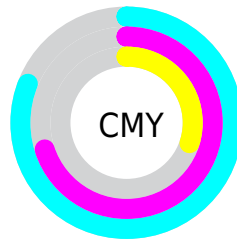
- Red (19%)
- Green (30%)
- Blue (70%)



- Red (19%)
- Yellow (28%)
- Blue (70%)



- Cyan (72%)
- Magenta (57%)
- Yellow (0%)
- Black (30%)



- Cyan (81%)
- Magenta (70%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 314CB2 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 314CB2 by changing the saturation by 10% instead.



 314CB2

 314CB2

FFFFFF

 003697

 707CEB

 00217C

 8E96FF

 000E63

 ABB1FF

 00024A

 C8CCFF


 000432

 E6E8FF

 00021C

 000000

 314CB2

 314CB2

 1F3EB2

 435AB2

0D30B2

5568B2

0025B2

6676B2

7884B2

8A92B2

9CA0B2

AEAFB2

BFDBB2

D1CBB2

# Harmonies

## Analogous

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



005EBA



314CB2



862E91

# Triad

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



314CB2



943700



006949

# Complementary

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



314CB2



B29731

# 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.



006610



314CB2



714F00

# Square

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



314CB2



A8132F



415E00



006A7D

# Rectangle

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



314CB2



9F1372



415E00



006837



# Sweetspot

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



314CB2



B5C0E8



31B296



575D75



F5F5F5



757575



# Same Dimension

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



314CB2



1E48E8



5631B2



505259



002099



00051A



# Inverse Universe

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



B2314C



E81E48



8DB231



595052



990020



1A0005



# Previews

## White Background



This preview shows how the Hex color 314CB2 looks on a white background.

## Color Contrast Check

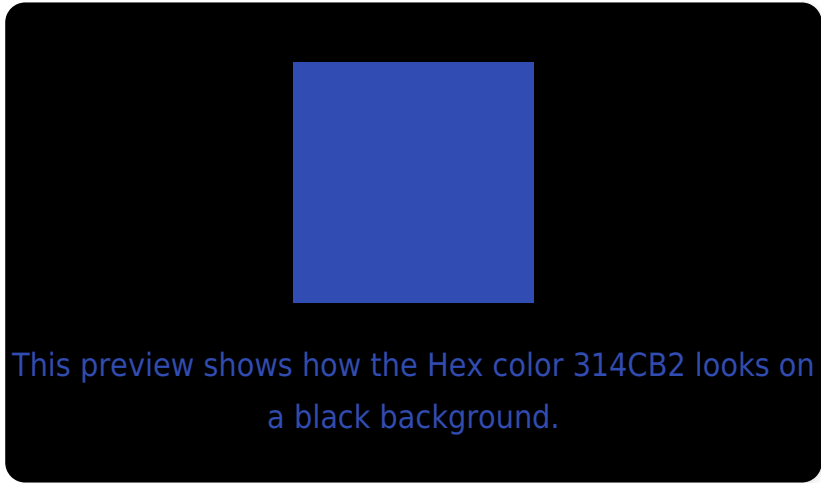
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

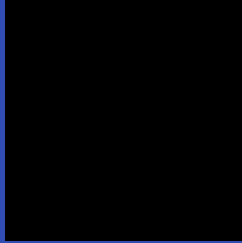
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 314CB2 Background



This preview shows how black text looks on a background with the Hex color 314CB2.

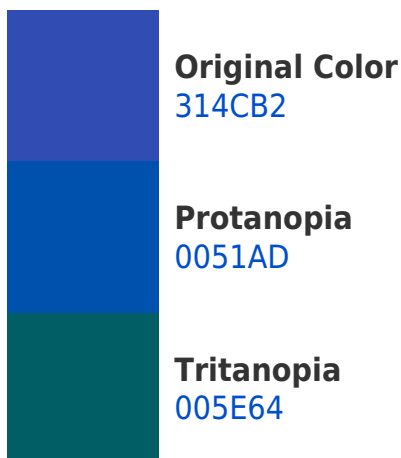


This preview shows how white text looks on a background with the Hex color 314CB2.

# 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



# Trichromacy



**Original Color**  
314CB2

**Protanomaly**  
124FAF

**Tritanomaly**  
125780

# Monochromacy



**Original Color**  
314CB2

**Achromatopsia**  
505050

**Achromatomaly**  
454F74

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 314CB2 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 #314CB2 looks like.

```
.text, #text, p{  
    color:#314CB2  
}
```

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 #314CB2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #314CB2
}
```

## Border

The CSS property to change the border of an element to Hex 314CB2 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
#314CB2 }
```

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

```
.border{ border-color:#314CB2 }
```

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

Here you see how a box with a 4 pixel #314CB2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #314CB2; -webkit-box-shadow:4px 4px  
4px 4px #314CB2; box-shadow:4px 4px 4px  
4px #314CB2 }
```

# Background

The CSS property to change the background color of an element to Hex 314CB2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#314CB2 }
```

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

```
.background{ background-color:#314CB2 }
```

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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