

Converting Colors

Hex(315B98)

Have a look what the booklet for
Hex(315B98) contains.

Hex(315B98)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(315B98)

Conversions

Conversions Part 1

Format	Color
Hex	315B98
RGB	49, 91, 152
RGB Percent	19%, 36%, 60%
CMY	0.8078, 0.6431, 0.4039
CMYK	0.68, 0.40, 0.00, 0.40
HSL	216°, 51%, 39%
HSV	216°, 68%, 60%
XYZ	10.6752, 10.4021, 31.1509
YIQ	85.3960, -44.6130, 10.0670

Conversions

Conversions Part 2

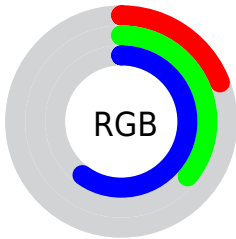
Format	Color
RYB	49, 79, 152
Decimal	3234712
CIELab	38.55, 6.09, -37.73
CIELCh	39, 38.214, 279.171
Yxy	10.4021, 0.2044, 0.1992
Android (android.graphics.Color)	4281424792 (0xFF315B98)
YUV	85.3960, 32.8358, -31.9193
Hunter-Lab	32.2523, 2.6401, -34.6886

Details

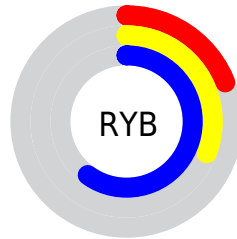
The Hex color **315B98** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **986E31**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **6A8DCF**, and **002E64** is the 20% darker color. If you saturate the color by 10%, you get **225298**, and if you desaturate by 10%, it is **406498**.

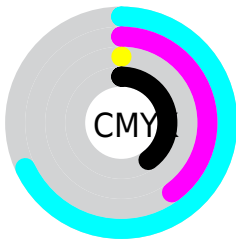
Distribution



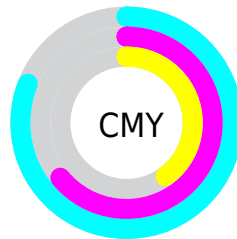
- Red (19%)
- Green (36%)
- Blue (60%)



- Red (19%)
- Yellow (31%)
- Blue (60%)



- Cyan (68%)
- Magenta (40%)
- Yellow (0%)
- Black (40%)



- Cyan (81%)
- Magenta (64%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Hex color 315B98 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 315B98 by changing the saturation by 10% instead.

■ 315B98

■ 315B98

FFFFFF

■ 08447E

■ 6A8DCF

■ 002E64

■ 86A7EB

■ 001A4C

■ A2C2FF

■ 000535

■ BFDEFF

■ 00021F

■ DCFAFF

■ 000002

■ F9FFFF

■ 000000

■ 315B98

■ 315B98

■ 225298

■ 406498

■ 134998

■ 4F6D98

■ 034098

■ 5F7698

■ 003E98

■ 6E7F98

■ 7D8898

■ 8C9198

■ 9B9A98

■ ABA398

■ BAAC98

Harmonies

Analogous

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



006494



315B98



694F8B

Triad

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



315B98



8F4535



016844

Complementary

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



315B98



986E31

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.



416428



315B98



7D511F

Square

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



315B98



943F52



635C19



006A64

Rectangle

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



315B98



80467B



635C19



22673A

Sweetspot

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



315B98



9DADC4



31986D



4C5563



E3E3E3



636363

Same Dimension

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



315B98



2566C4



3A3198



45484D



00398C



00050D

Inverse Universe

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



98315B



C42566



8F9831



4D4548



8C0039



0D0005

Previews

White Background



This preview shows how the Hex color 315B98 looks on a white background.

Color Contrast Check

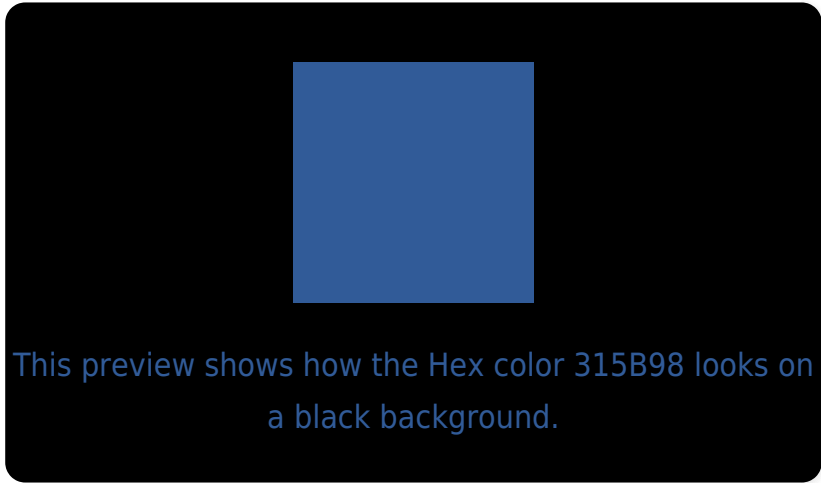
Large Text (above 18pt) WCAG AA ✓ Pass

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

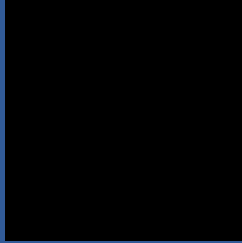
Any Text WCAG AA × Fail

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 315B98 Background



This preview shows how black text looks on a background with the Hex color 315B98.



This preview shows how white text looks on a background with the Hex color 315B98.

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
315B98

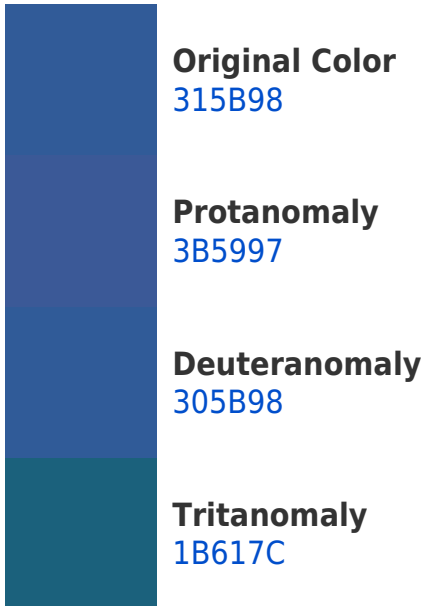
Protanopia
415896

Deuteranopia
305B98

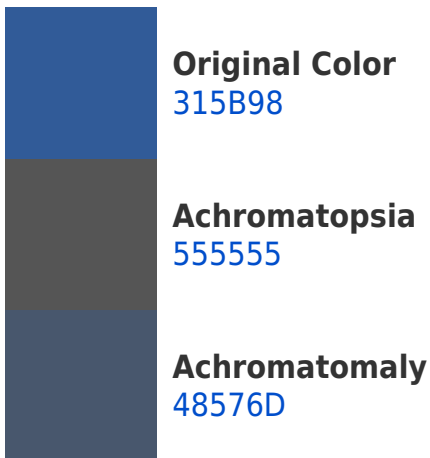


Tritanopia
0F646C

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 315B98 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 #315B98 looks like.

```
.text, #text, p{  
    color:#315B98  
}
```

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 #315B98 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #315B98
}
```

Border

The CSS property to change the border of an element to Hex 315B98 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
#315B98 }
```

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

```
.border{ border-color:#315B98 }
```

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

Here you see how a box with a 4 pixel #315B98 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #315B98; -webkit-box-shadow:4px 4px  
4px 4px #315B98; box-shadow:4px 4px 4px  
4px #315B98 }
```

Background

The CSS property to change the background color of an element to Hex 315B98 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#315B98 }
```

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

```
.background{ background-color:#315B98 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor