

Converting Colors

Hex(314A7F)

Have a look what the booklet for
Hex(314A7F) contains.

Hex(314A7F)	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(314A7F)

Conversions

Conversions Part 1

Format	Color
Hex	314A7F
RGB	49, 74, 127
RGB Percent	19%, 29%, 50%
CMY	0.8078, 0.7098, 0.5020
CMYK	0.61, 0.42, 0.00, 0.50
HSL	221°, 44%, 35%
HSV	221°, 61%, 50%
XYZ	7.5462, 7.0828, 21.0481
YIQ	72.5670, -31.9130, 11.1830

Conversions

Conversions Part 2

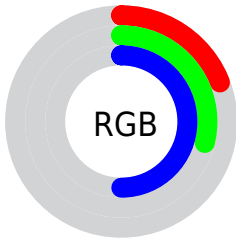
Format	Color
R_{YB}	49, 68, 127
Decimal	3230335
CIE Lab	31.99, 8.02, -32.89
CIE LCh	32, 33.857, 283.710
Yxy	7.0828, 0.2115, 0.1985
Android (android.graphics.Color)	4281420415 (0xFF314A7F)
YUV	72.5670, 26.8355, -20.6683
Hunter-Lab	26.6136, 4.0391, -28.2616




Details

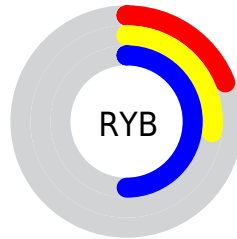
The Hex color **314A7F** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **7F6631**, and the grayscale version is **484848**.




A 20% lighter version of the original color is **667AB4**, and **001F4D** is the 20% darker color. If you saturate the color by 10%, you get **24417F**, and if you desaturate by 10%, it is **3E537F**.

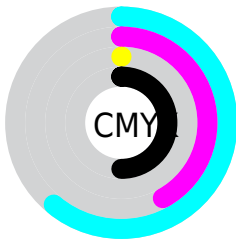
Distribution







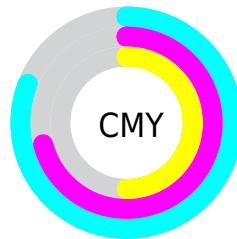
-  Red (19%)
-  Green (29%)
-  Blue (50%)






-  Red (19%)
-  Yellow (27%)
-  Blue (50%)



-  Cyan (61%)
-  Magenta (42%)
-  Yellow (0%)
-  Black (50%)



-  Cyan (81%)
-  Magenta (71%)
-  Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Hex color 314A7F 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 314A7F by changing the saturation by 10% instead.

■ 314A7F

■ 314A7F

FFFFFF

■ 123466

■ 667AB4

■ 001F4D

■ 8194D0

■ 000636

■ 9CAFEC

■ 000220

■ B8CAFF

■ 000005

■ D5E6FF

■ 000000

■ F2FFFF

■ 314A7F

■ 314A7F

■ 24417F

■ 3E537F

■ 18397F

■ 4A5B7F

■ 0B307F

■ 57647F

■ 00297F

■ 646D7F

■ 71757F

■ 7D7E7F

■ 8A867F

■ 978F7F

■ A3987F

Harmonies

Analogous

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



00527E



314A7F



5D3F72

Triad

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



314A7F



763A28



00573B

Complementary

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



314A7F



7F6631

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.



305423



314A7F



664516

Square

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



314A7F



7C3340



4E4E13



005857

Rectangle

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



314A7F



6E3863



4E4E13



115633

Sweetspot

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



314A7F



8891A6



317F65



424854



D4D4D4



545454

Same Dimension

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



314A7F



2B52A6



3E317F



393B40



002980



000000

Inverse Universe

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



7F314A



A62B52



727F31



40393B



800029



000000

Previews

White Background



This preview shows how the Hex color 314A7F looks on a white background.

Color Contrast Check

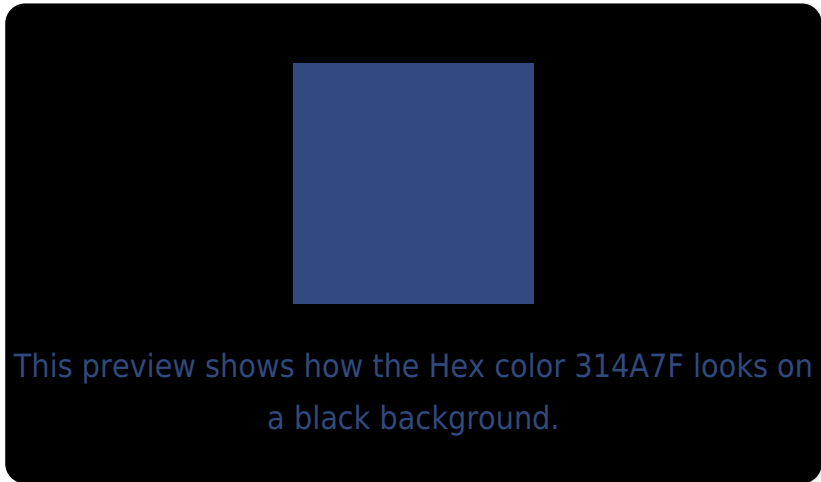
Large Text (above 18pt) WCAG AA ✓ Pass

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

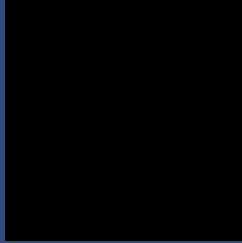
Any Text WCAG AA × Fail

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 314A7F Background



This preview shows how black text looks on a background with the Hex color 314A7F.



This preview shows how white text looks on a background with the Hex color 314A7F.

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

314A7F

Protanopia

35497E

Deuteranopia

274C7F



Tritanopia
1F5259

Trichromacy



Original Color
314A7F

Protanomaly
34497E

Deuteranomaly
2B4B7F

Tritanomaly
264F67

Monochromacy



Original Color
314A7F

Achromatopsia
494949

Achromatomaly
40495D

CSS Examples

Text

The CSS property to change the color of the text to Hex 314A7F 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 #314A7F looks like.

```
.text, #text, p{  
  color:#314A7F  
}
```

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 #314A7F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #314A7F
}
```

Border

The CSS property to change the border of an element to Hex 314A7F is called "border". The border property can be set on classes, ids or directly on the HTML element.

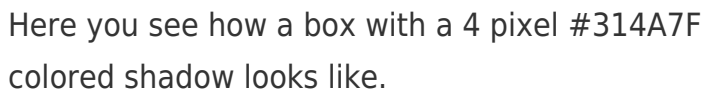
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#314A7F }
```

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

```
.border{ border-color:#314A7F }
```

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



Here you see how a box with a 4 pixel #314A7F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #314A7F; -webkit-box-shadow:4px 4px  
4px 4px #314A7F; box-shadow:4px 4px 4px  
4px #314A7F }
```

Background

The CSS property to change the background color of an element to Hex 314A7F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#314A7F }
```

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

```
.background{ background-color:#314A7F }
```

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