

Converting Colors

Hex(312F99)

Have a look what the booklet for
Hex(312F99) contains.

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Color

Hex(312F99)

Conversions

Conversions Part 1

Format	Color
Hex	312F99
RGB	49, 47, 153
RGB Percent	19%, 18%, 60%
CMY	0.8078, 0.8157, 0.4000
CMYK	0.68, 0.69, 0.00, 0.40
HSL	241°, 53%, 39%
HSV	241°, 69%, 60%
XYZ	8.0329, 4.9859, 30.6760
YIQ	59.6820, -32.8340, 33.3900

Conversions

Conversions Part 2

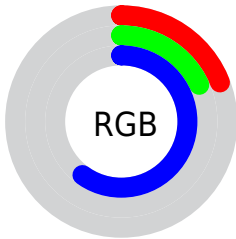
Format	Color
R_{YB}	49, 47, 153
Decimal	3223449
CIE _{Lab}	26.69, 35.39, -57.50
CIE _{LCh}	27, 67.521, 301.614
Yxy	4.9859, 0.1838, 0.1141
Android (android.graphics.Color)	4281413529 (0xFF312F99)
YUV	59.6820, 46.0058, -9.3681
Hunter-Lab	22.3291, 25.1394, -65.8228

Details

The Hex color **312F99** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **97992F**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **6D5ED0**, and **000565** is the 20% darker color. If you saturate the color by 10%, you get **222099**, and if you desaturate by 10%, it is **403E99**.

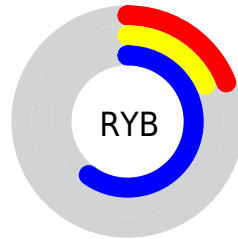
Distribution



 Red (19%)

 Green (18%)

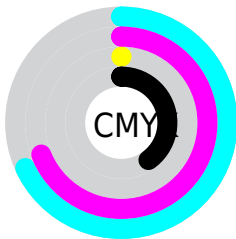
 Blue (60%)




 Red (19%)

 Yellow (18%)

 Blue (60%)

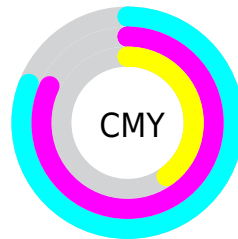


 Cyan (68%)

 Magenta (69%)

 Yellow (0%)

 Black (40%)



 Cyan (81%)

 Magenta (82%)

 Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Hex color 312F99 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 312F99 by changing the saturation by 10% instead.



312F99



312F99

FFFFFF



01197E



6D5ED0



000565



8977ED



00004C



A691FF



000434



C3ABFF



00021E



E1C7FF



000000



FEE3FF



312F99



312F99



222099



403E99

■ 131099

■ 4F4E99

■ 040199

■ 5E5D99

■ 030099

■ 6D6C99

■ 7C7C99

■ 8B8B99

■ 9A9A99

■ A9A999

■ B8B999

Harmonies

Analogous

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



0046A9



312F99



7B0071

Triad

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



312F99



732600



005241

Complementary

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



312F99



97992F

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.



005003



312F99



4C3F00

Square

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



312F99



8D000C



0E4A00



005375

Rectangle

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



312F99



8F0050



0E4A00



00512E

Sweetspot

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



312F99



9E9DC7



2F9799



4B4B63



E3E3E3



636363

Same Dimension

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



312F99



2522C7



662F99



45454D



03008C



00000D

Inverse Universe

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



992F97



C722C4



62992F



4D454C



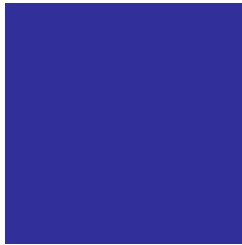
8C008A



0D000D

Previews

White Background



This preview shows how the Hex color 312F99 looks on a white background.

Color Contrast Check

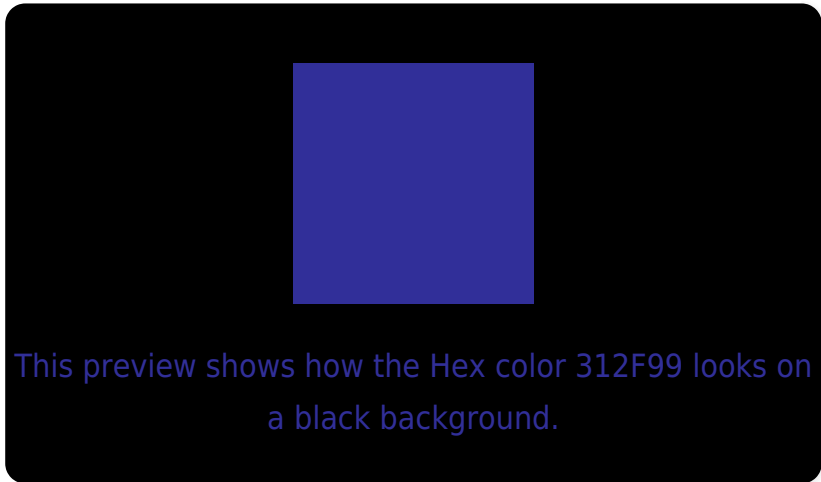
Large Text (above 18pt) WCAG AA ✓ Pass

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

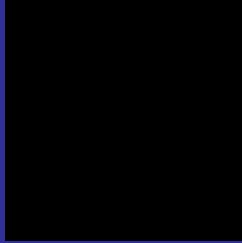
Any Text WCAG AA × Fail

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 312F99 Background



This preview shows how black text looks on a background with the Hex color 312F99.

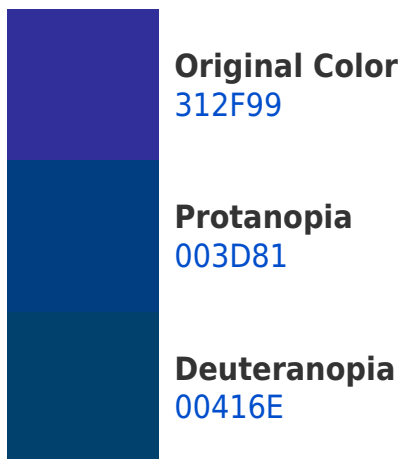


This preview shows how white text looks on a background with the Hex color 312F99.

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](#).

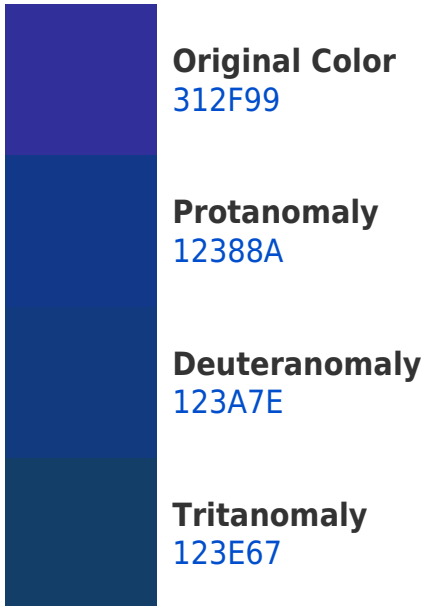
Dichromacy





Tritanopia
00464B

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 312F99 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 #312F99 looks like.

```
.text, #text, p{  
    color:#312F99  
}
```

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 #312F99 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312F99
}
```

Border

The CSS property to change the border of an element to Hex 312F99 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
#312F99 }
```

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

```
.border{ border-color:#312F99 }
```

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

Here you see how a box with a 4 pixel #312F99 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312F99; -webkit-box-shadow:4px 4px  
4px 4px #312F99; box-shadow:4px 4px 4px  
4px #312F99 }
```

Background

The CSS property to change the background color of an element to Hex 312F99 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312F99 }
```

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

```
.background{ background-color:#312F99 }
```

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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