

Converting Colors

Hex(312A72)

Have a look what the booklet for
Hex(312A72) contains.

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Color

Hex(312A72)

Conversions

Conversions Part 1

Format	Color
Hex	312A72
RGB	49, 42, 114
RGB Percent	19%, 16%, 45%
CMY	0.8078, 0.8353, 0.5529
CMYK	0.57, 0.63, 0.00, 0.55
HSL	246°, 46%, 31%
HSV	246°, 63%, 45%
XYZ	5.1318, 3.5238, 16.3293
YIQ	52.3010, -18.9400, 23.8760

Conversions

Conversions Part 2

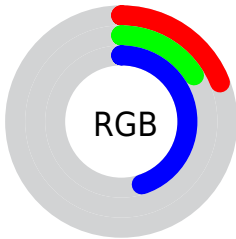
Format	Color
R _Y B	49, 42, 114
Decimal	3222130
CIE Lab	22.03, 25.06, -40.69
CIE LCh	22, 47.786, 301.625
Yxy	3.5238, 0.2054, 0.1410
Android (android.graphics.Color)	4281412210 (0xFF312A72)
YUV	52.3010, 30.4176, -2.8950
Hunter-Lab	18.7718, 15.9479, -38.4351

Details

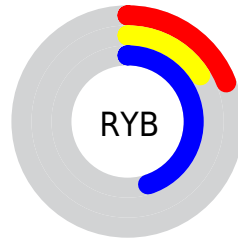
The Hex color **312A72** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **6B722A**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **6658A7**, and **000041** is the 20% darker color. If you saturate the color by 10%, you get **271F72**, and if you desaturate by 10%, it is **3B3572**.

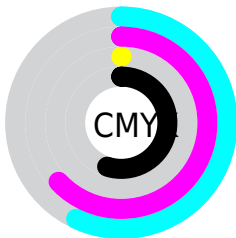
Distribution



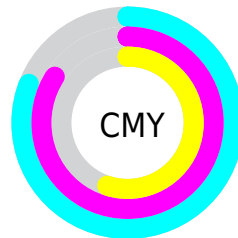
- Red (19%)
- Green (16%)
- Blue (45%)



- Red (19%)
- Yellow (16%)
- Blue (45%)



- Cyan (57%)
- Magenta (63%)
- Yellow (0%)
- Black (55%)



- Cyan (81%)
- Magenta (84%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Hex color 312A72 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 312A72 by changing the saturation by 10% instead.

■ 312A72

■ 312A72

FFFFFF

■ 141559

■ 6658A7

■ 000041

■ 8070C2

■ 00032A

■ 9B8ADE

■ 000114

■ B7A4FB

■ 000000

■ D4BFFF

■ F1DBFF

■ FFF8FF

■ 312A72

■ 312A72

■ 271F72

■ 3B3572

■ 1C1372

■ 464172

■ 120872

■ 504C72

■ 0B0072

■ 5A5872

■ 646372

■ 6F6E72

■ 797A72

■ 838572

■ 8E9172

Harmonies

Analogous

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



00397D



312A72



5F1157

Triad

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



312A72



5C2500



004336

Complementary

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



312A72



6B722A

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.



00410F



312A72



403400

Square

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



312A72



6D0B12



1C3D00



004359

Rectangle

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



312A72



6D0040



1C3D00



004329

Sweetspot

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



312A72



7B7894



2A6C72



3B394A



C9C9C9



4A4A4A

Same Dimension

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



312A72



2E2394



542A72



333238



0C0078



1800F7

Inverse Universe

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



722A6B



942389



48722A



383238



78006C



F700DF

Previews

White Background



This preview shows how the Hex color 312A72 looks on a white background.

Color Contrast Check

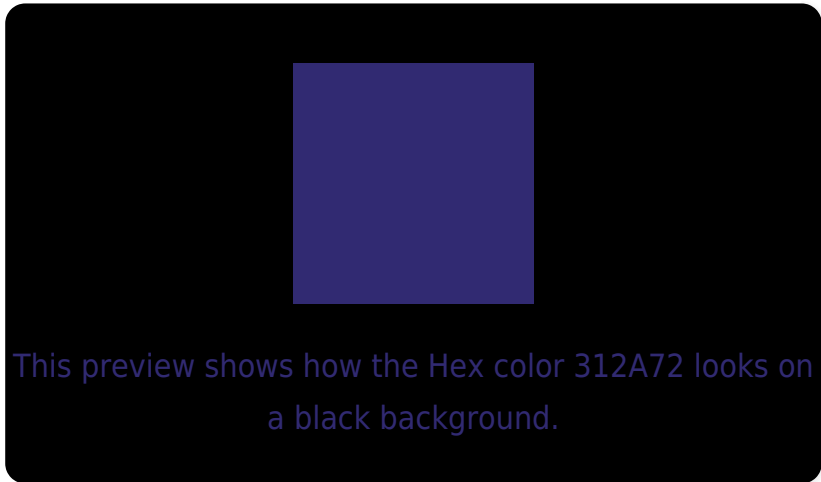
Large Text (above 18pt) WCAG AA ✓ Pass

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

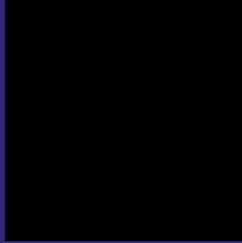
Any Text WCAG AA × Fail

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 312A72 Background



This preview shows how black text looks on a background with the Hex color 312A72.



This preview shows how white text looks on a background with the Hex color 312A72.

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](#).

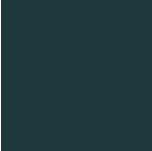
Dichromacy



Original Color
312A72

Protanopia
00336C

Deuteranopia
00365D



Tritanopia
1D393E

Trichromacy



Original Color
312A72

Protanomaly
12306E

Deuteranomaly
123265

Tritanomaly
243451

Monochromacy



Original Color
312A72

Achromatopsia
343434

Achromatomaly
33304B

CSS Examples

Text

The CSS property to change the color of the text to Hex 312A72 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 #312A72 looks like.

```
.text, #text, p{  
    color:#312A72  
}
```

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 #312A72 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312A72
}
```

Border

The CSS property to change the border of an element to Hex 312A72 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
#312A72 }
```

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

```
.border{ border-color:#312A72 }
```

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

Here you see how a box with a 4 pixel #312A72 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312A72; -webkit-box-shadow:4px 4px  
4px 4px #312A72; box-shadow:4px 4px 4px  
4px #312A72 }
```

Background

The CSS property to change the background color of an element to Hex 312A72 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312A72 }
```

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

```
.background{ background-color:#312A72 }
```

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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