

# Converting Colors

Hex(312E68)

Have a look what the booklet for  
Hex(312E68) contains.

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# Color

**Hex(312E68)**

# Conversions

## Conversions Part 1

Format	Color
Hex	312E68
RGB	49, 46, 104
RGB Percent	19%, 18%, 41%
CMY	0.8078, 0.8196, 0.5922
CMYK	0.53, 0.56, 0.00, 0.59
HSL	243°, 39%, 29%
HSV	243°, 56%, 41%
XYZ	4.7423, 3.6064, 13.5429
YIQ	53.5090, -16.8300, 18.6740

# Conversions

## Conversions Part 2

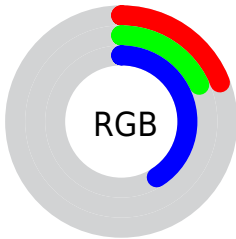
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 46, 104
Decimal	3223144
CIE <sub>Lab</sub>	22.33, 18.88, -33.76
CIE <sub>LCh</sub>	22, 38.676, 299.214
Yxy	3.6064, 0.2166, 0.1647
Android (android.graphics.Color)	4281413224 (0xFF312E68)
YUV	53.5090, 24.8921, -3.9544
Hunter-Lab	18.9906, 11.3412, -28.9883

# Details

The Hex color **312E68** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **65682E**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **645C9C**, and **000038** is the 20% darker color. If you saturate the color by 10%, you get **272468**, and if you desaturate by 10%, it is **3B3868**.

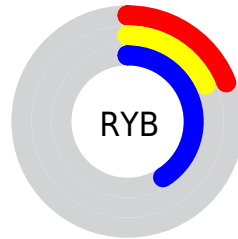
# Distribution



Red (19%)

Green (18%)

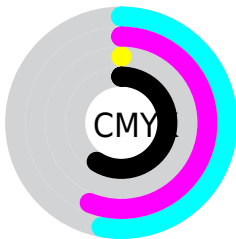
Blue (41%)



Red (19%)

Yellow (18%)

Blue (41%)

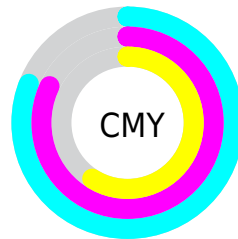


Cyan (53%)

Magenta (56%)

Yellow (0%)

Black (59%)



Cyan (81%)

Magenta (82%)

Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 312E68 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 312E68 by changing the saturation by 10% instead.



■ 312E68

■ 312E68

FFFFFF

■ 171950

■ 645C9C

■ 000038

■ 7E74B7

■ 000222

■ 998ED3

■ 000008

■ B4A9EF

■ 000000

■ D0C4FF

■ EDE0FF

■ FFFCFF

■ 312E68

■ 312E68

■ 272468

■ 3B3868

■ 1D1968

■ 454368

■ 130F68

■ 4F4D68

■ 0A0468

■ 585868

■ 050068

■ 626268

■ 6C6C68

■ 767768

■ 808168

■ 8A8C68

# Harmonies

## Analogous

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



00396F



312E68



561F53

# Triad

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



312E68



582800



004234

# Complementary

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



312E68



65682E

# 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.



004016



312E68



433400

# Square

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



312E68



651A1B



273C00



004251

# Rectangle

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



312E68



631641



273C00



00412A



# Sweetspot

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



312E68



717087



2E6568



383745



C4C4C4



454545



# Same Dimension

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



312E68



312D87



4E2E68



2E2E33



060073



0D00F2



# Inverse Universe

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



682E65



872D82



48682E



332E33



73006D



F200E6



# Previews

## White Background



This preview shows how the Hex color 312E68 looks on a white background.

## Color Contrast Check

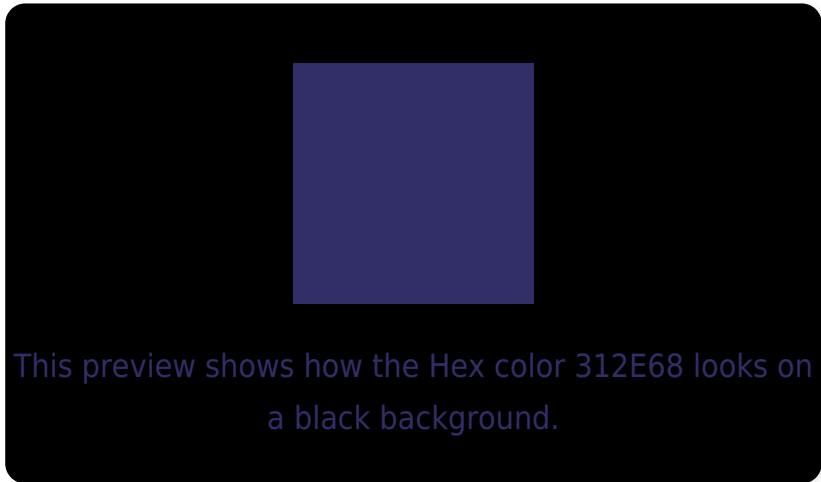
Large Text (above 18pt) WCAG AA ✓ Pass

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

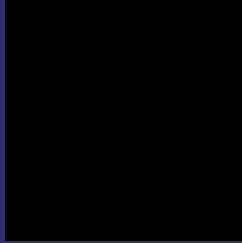
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 312E68 Background



This preview shows how black text looks on a background with the Hex color 312E68.



This preview shows how white text looks on a background with the Hex color 312E68.

# 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](#).

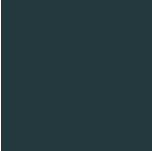
## Dichromacy



**Original Color**  
312E68

**Protanopia**  
00346E

**Deuteranopia**  
003760



**Tritanopia**  
23393E

# Trichromacy



**Original Color**  
312E68

**Protanomaly**  
12326C

**Deuteranomaly**  
123463

**Tritanomaly**  
28354D

# Monochromacy



**Original Color**  
312E68

**Achromatopsia**  
363636

**Achromatomaly**  
343348

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 312E68 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 #312E68 looks like.

```
.text, #text, p{  
    color:#312E68  
}
```

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 #312E68 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312E68
}
```

## Border

The CSS property to change the border of an element to Hex 312E68 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
#312E68 }
```

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

```
.border{ border-color:#312E68 }
```

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

Here you see how a box with a 4 pixel #312E68 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312E68; -webkit-box-shadow:4px 4px  
4px 4px #312E68; box-shadow:4px 4px 4px  
4px #312E68 }
```

# Background

The CSS property to change the background color of an element to Hex 312E68 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312E68 }
```

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

```
.background{ background-color:#312E68 }
```

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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