

Converting Colors

Hex(312F41)

Have a look what the booklet for
Hex(312F41) contains.

Hex(312F41)	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(312F41)

Conversions

Conversions Part 1

Format	Color
Hex	312F41
RGB	49, 47, 65
RGB Percent	19%, 18%, 25%
CMY	0.8078, 0.8157, 0.7451
CMYK	0.25, 0.28, 0.00, 0.75
HSL	247°, 16%, 22%
HSV	247°, 28%, 25%
XYZ	3.2373, 3.0677, 5.4225
YIQ	49.6500, -4.5860, 6.0220

Conversions

Conversions Part 2

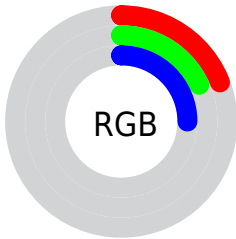
Format	Color
R_{YB}	49, 47, 65
Decimal	3223361
CIE _{Lab}	20.31, 5.55, -10.97
CIE _{LCh}	20, 12.300, 296.845
Yxy	3.0677, 0.2760, 0.2616
Android (android.graphics.Color)	4281413441 (0xFF312F41)
YUV	49.6500, 7.5676, -0.5700
Hunter-Lab	17.5147, 2.3417, -6.0958

Details

The Hex color **312F41** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **3F412F**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **5F5D71**, and **030017** is the 20% darker color. If you saturate the color by 10%, you get **2B2941**, and if you desaturate by 10%, it is **373641**.

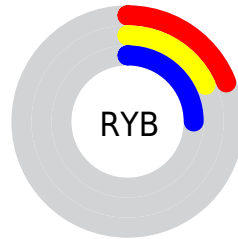
Distribution



Red (19%)

Green (18%)

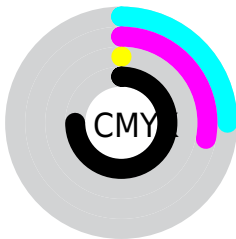
Blue (25%)



Red (19%)

Yellow (18%)

Blue (25%)

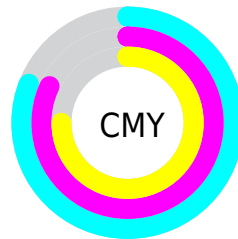


Cyan (25%)

Magenta (28%)

Yellow (0%)

Black (75%)



Cyan (81%)

Magenta (82%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Hex color 312F41 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 312F41 by changing the saturation by 10% instead.

■ 312F41

■ 312F41

FFFFFF

■ 1C1A2B

■ 5F5D71

■ 030017

■ 78758A

■ 000000

■ 928FA5

■ ADA9C0

■ C8C5DC

■ E4E1F8

■ FFFDFD

■ 312F41

■ 312F41

■ 2B2941

■ 373641

■ 252241

■ 3D3C41

■ 201C41

■ 424341

■ 1A1541

■ 484941

■ 140F41

■ 4E5041

■ 0E0841

■ 545641

■ 090241

■ 595D41

■ 070041

■ 5F6341

■ 656A41

Harmonies

Analogous

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



243243



312F41



3C2C3B

Triad

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



312F41



3F2D22



1B3630

Complementary

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



312F41



3F412F

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.



243527



312F41



38301F

Square

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



312F41



432B29



2F3321



153639

Rectangle

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



312F41



402B35



2F3321



1E362D

Sweetspot

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



312F41



4E4D54



2F3F41



27272B



ABABAB



2B2B2B

Same Dimension

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



312F41



3B3854



3A2F41



1E1E21



0B0061



1900E0

Inverse Universe

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



412F3F



543851



36412F



211E21



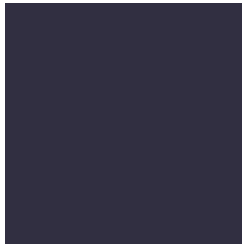
610056



E000C7

Previews

White Background



This preview shows how the Hex color 312F41 looks on a white background.

Color Contrast Check

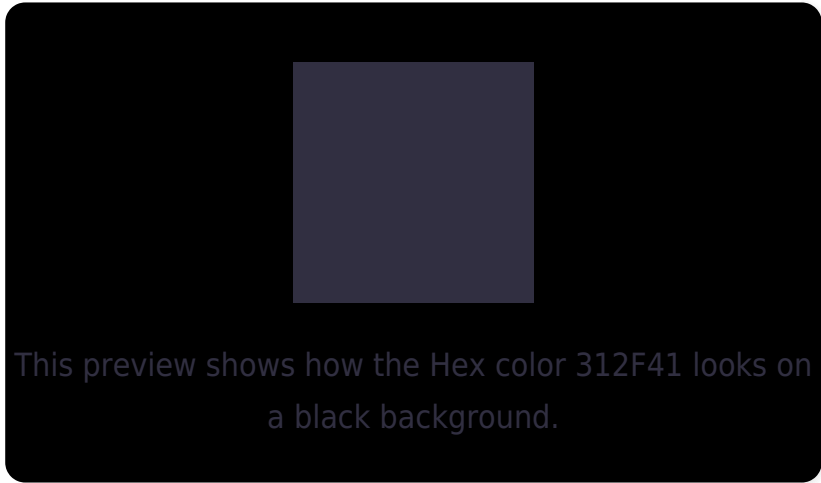
Large Text (above 18pt) WCAG AA ✓ Pass

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

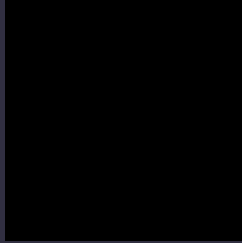
Any Text WCAG AA × Fail

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 312F41 Background



This preview shows how black text looks on a background with the Hex color 312F41.

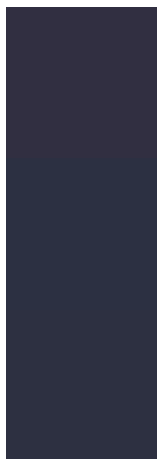


This preview shows how white text looks on a background with the Hex color 312F41.

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
312F41

Protanopia
2C3042

Deuteranopia
2D3041



Tritanopia
2F3135

Trichromacy



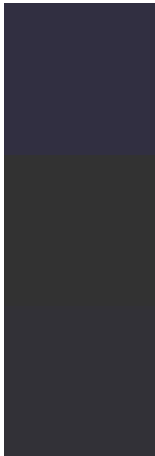
Original Color
312F41

Protanomaly
2E3042

Deuteranomaly
2E3041

Tritanomaly
303039

Monochromacy



Original Color
312F41

Achromatopsia
323232

Achromatomaly
323137

CSS Examples

Text

The CSS property to change the color of the text to Hex 312F41 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 #312F41 looks like.

```
.text, #text, p{  
    color:#312F41  
}
```

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 #312F41 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312F41
}
```

Border

The CSS property to change the border of an element to Hex 312F41 is called "border". The border property can be set on classes, ids or directly on the HTML element.

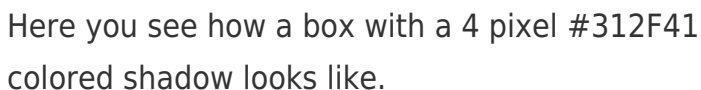
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#312F41 }
```

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

```
.border{ border-color:#312F41 }
```

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



Here you see how a box with a 4 pixel #312F41 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312F41; -webkit-box-shadow:4px 4px  
4px 4px #312F41; box-shadow:4px 4px 4px  
4px #312F41 }
```

Background

The CSS property to change the background color of an element to Hex 312F41 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312F41 }
```

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

```
.background{ background-color:#312F41 }
```

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