

Converting Colors

Hex(312E48)

Have a look what the booklet for
Hex(312E48) contains.

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Color

Hex(312E48)

Conversions

Conversions Part 1

Format	Color
Hex	312E48
RGB	49, 46, 72
RGB Percent	19%, 18%, 28%
CMY	0.8078, 0.8196, 0.7176
CMYK	0.32, 0.36, 0.00, 0.72
HSL	247°, 22%, 23%
HSV	247°, 36%, 28%
XYZ	3.4133, 3.0748, 6.5445
YIQ	49.8610, -6.5580, 8.7220

Conversions

Conversions Part 2

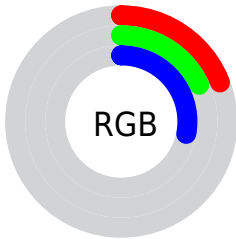
Format	Color
R_{YB}	49, 46, 72
Decimal	3223112
CIE Lab	20.34, 8.32, -15.69
CIE LCh	20, 17.755, 297.938
Yxy	3.0748, 0.2619, 0.2359
Android (android.graphics.Color)	4281413192 (0xFF312E48)
YUV	49.8610, 10.9145, -0.7551
Hunter-Lab	17.5352, 4.0593, -9.8536

Details

The Hex color **312E48** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **45482E**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **605C79**, and **05001D** is the 20% darker color. If you saturate the color by 10%, you get **2B2748**, and if you desaturate by 10%, it is **373548**.

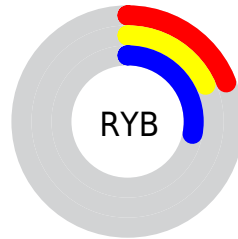
Distribution



 Red (19%)

 Green (18%)

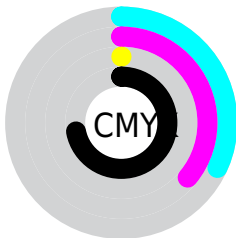
 Blue (28%)



 Red (19%)

 Yellow (18%)

 Blue (28%)

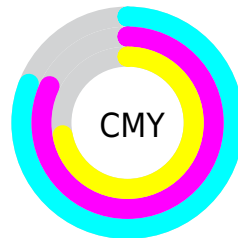


 Cyan (32%)

 Magenta (36%)

 Yellow (0%)

 Black (72%)



 Cyan (81%)

 Magenta (82%)

 Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Hex color 312E48 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 312E48 by changing the saturation by 10% instead.

■ 312E48

■ 312E48

FFFFFF

■ 1B1931

■ 605C79

■ 05001D

■ 797492

■ 000000

■ 938EAD

■ AEA8C8

■ C9C3E4

■ E5DFFF

■ FFFCFF

■ 312E48

■ 312E48

■ 2B2748

■ 373548

■ 242048

■ 3E3C48

■ 1E1848

■ 444448

■ 181148

■ 4A4B48

■ 110A48

■ 515248

■ 0B0348

■ 575948

■ 080048

■ 5E6048

■ 646848

■ 6A6F48

Harmonies

Analogous

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



1B334B



312E48



40293F

Triad

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



312E48



442B1B



083830

Complementary

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



312E48



45482E

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.



1D3723



312E48



3A3017

Square

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



312E48



4A2826



2D3419



00383D

Rectangle

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



312E48



472737



2D3419



11382B

Sweetspot

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



312E48



55545E



2E4548



2B2A30



B0B0B0



303030

Same Dimension

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



312E48



3A365E



3E2E48



212024



0B0063



1A00E3

Inverse Universe

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



482E45



5E365A



38482E



242023



630058



E300C9

Previews

White Background



This preview shows how the Hex color 312E48 looks on a white background.

Color Contrast Check

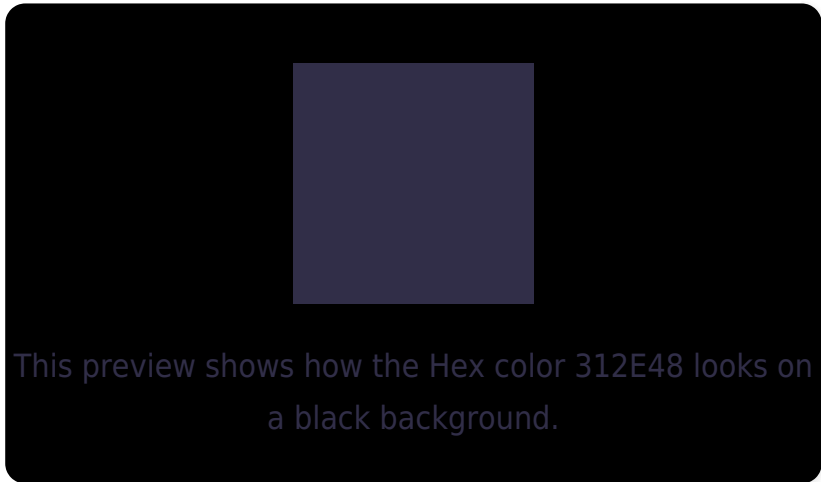
Large Text (above 18pt) WCAG AA ✓ Pass

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

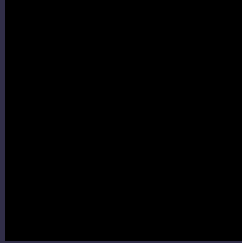
Any Text WCAG AA × Fail

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 312E48 Background



This preview shows how black text looks on a background with the Hex color 312E48.



This preview shows how white text looks on a background with the Hex color 312E48.

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

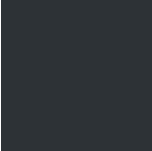
312E48

Protanopia

28304A

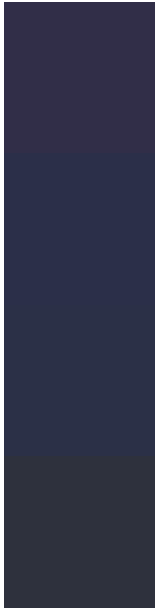
Deuteranopia

283147



Tritanopia
2D3236

Trichromacy



Original Color
312E48

Protanomaly
2B2F49

Deuteranomaly
2B3047

Tritanomaly
2E313D

Monochromacy



Original Color
312E48

Achromatopsia
323232

Achromatomaly
32313A

CSS Examples

Text

The CSS property to change the color of the text to Hex 312E48 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 #312E48 looks like.

```
.text, #text, p{  
    color:#312E48  
}
```

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 #312E48 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312E48  
}
```

Border

The CSS property to change the border of an element to Hex 312E48 is called "border". The border property can be set on classes, ids or directly on the HTML element.

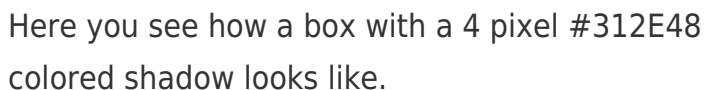
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#312E48 }
```

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

```
.border{ border-color:#312E48 }
```

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



Here you see how a box with a 4 pixel #312E48 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312E48; -webkit-box-shadow:4px 4px  
4px 4px #312E48; box-shadow:4px 4px 4px  
4px #312E48 }
```

Background

The CSS property to change the background color of an element to Hex 312E48 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312E48 }
```

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

```
.background{ background-color:#312E48 }
```

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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