

Converting Colors

Hex(312B34)

Have a look what the booklet for
Hex(312B34) contains.

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Color

Hex(312B34)

Conversions

Conversions Part 1

Format	Color
Hex	312B34
RGB	49, 43, 52
RGB Percent	19%, 17%, 20%
CMY	0.8078, 0.8314, 0.7961
CMYK	0.06, 0.17, 0.00, 0.80
HSL	280°, 9%, 19%
HSV	280°, 17%, 20%
XYZ	2.7503, 2.6287, 3.6112
YIQ	45.8200, 0.6870, 4.0710

Conversions

Conversions Part 2

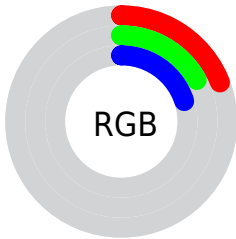
Format	Color
RYB	49, 43, 52
Decimal	3222324
CIELab	18.49, 4.84, -4.79
CIElCh	18, 6.808, 315.270
Yxy	2.6287, 0.3059, 0.2924
Android (android.graphics.Color)	4281412404 (0xFF312B34)
YUV	45.8200, 3.0467, 2.7889
Hunter-Lab	16.2131, 1.9071, -1.8568

Details

The Hex color **312B34** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2E342B**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **5F5862**, and **000005** is the 20% darker color. If you saturate the color by 10%, you get **2F2634**, and if you desaturate by 10%, it is **333034**.

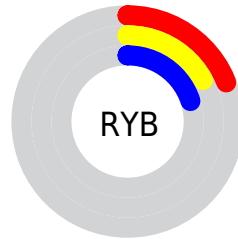
Distribution



Red (19%)

Green (17%)

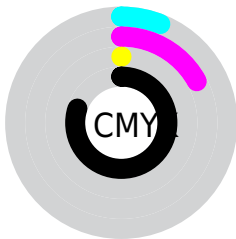
Blue (20%)



Red (19%)

Yellow (17%)

Blue (20%)

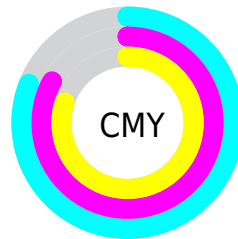


Cyan (6%)

Magenta (17%)

Yellow (0%)

Black (80%)



Cyan (81%)

Magenta (83%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color 312B34 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 312B34 by changing the saturation by 10% instead.

■ 312B34

■ 312B34

FFFFFF

■ 1C171F

■ 5F5862

■ 000005

■ 78717B

■ 000000

■ 928A95

■ ACA5B0

■ C7C0CB

■ E3DBE7

■ FFF8FF

■ 312B34

■ 312B34

■ 2F2634

■ 333034

■ 2E2134

■ 343534

■ 2C1B34

■ 363B34

■ 2A1634

■ 384034

■ 281134

■ 3A4534

■ 270C34

■ 3B4A34

■ 250734

■ 3D4F34

■ 230134

■ 3F5534

■ 230034

■ 415A34

Harmonies

Analogous

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



2B2D36



312B34



362A30

Triad

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



312B34



332C24



20302F

Complementary

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



312B34



2E342B

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.



23302A



312B34



2E2E24

Square

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



312B34



372A26



292F26



212F34

Rectangle

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



312B34



372A2C



292F26



21302E

Sweetspot

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



312B34



444145



2B2E34



232224



A3A3A3



242424

Same Dimension

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



312B34



403645



342B33



19171A



3C0059



9100D9

Inverse Universe

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



342B2E



45363B



2B342D



1A1718



59001E



D90048

Previews

White Background



This preview shows how the Hex color 312B34 looks on a white background.

Color Contrast Check

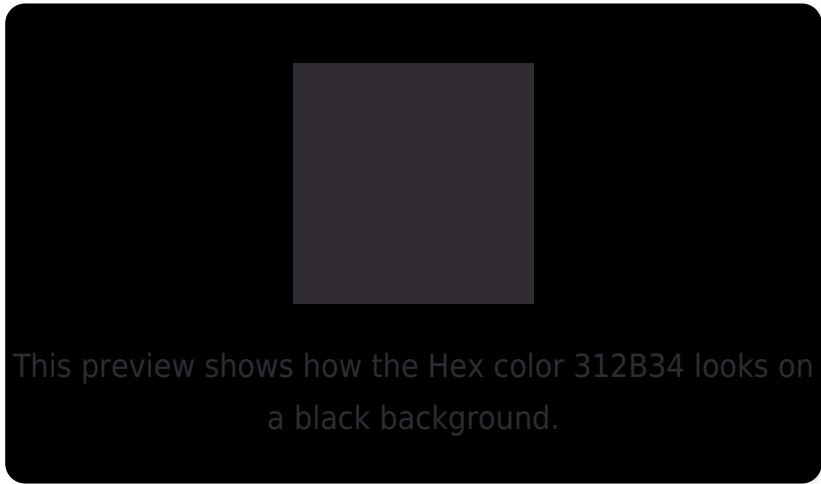
Large Text (above 18pt) WCAG AA ✓ Pass

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

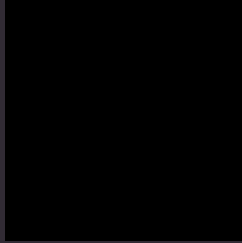
Any Text WCAG AA × Fail

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 312B34 Background



This preview shows how black text looks on a background with the Hex color 312B34.

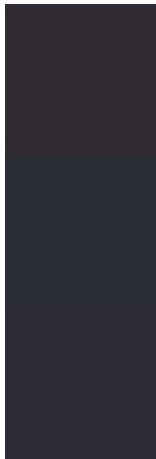


This preview shows how white text looks on a background with the Hex color 312B34.

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
312B34

Protanopia
2B2D35

Deuteranopia
2E2C34



Tritanopia
302C2F

Trichromacy



Original Color

312B34

Protanomaly

2D2C35

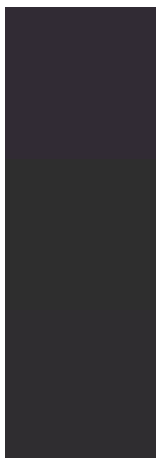
Deuteranomaly

2F2C34

Tritanomaly

302C31

Monochromacy



Original Color

312B34

Achromatopsia

2E2E2E

Achromatomaly

2F2D30

CSS Examples

Text

The CSS property to change the color of the text to Hex 312B34 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 #312B34 looks like.

```
.text, #text, p{  
    color:#312B34  
}
```

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 #312B34 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312B34
}
```

Border

The CSS property to change the border of an element to Hex 312B34 is called "border". The border property can be set on classes, ids or directly on the HTML element.

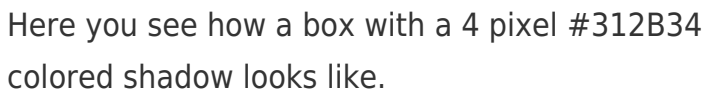
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#312B34 }
```

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

```
.border{ border-color:#312B34 }
```

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



Here you see how a box with a 4 pixel #312B34 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312B34; -webkit-box-shadow:4px 4px  
4px 4px #312B34; box-shadow:4px 4px 4px  
4px #312B34 }
```

Background

The CSS property to change the background color of an element to Hex 312B34 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312B34 }
```

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

```
.background{ background-color:#312B34 }
```

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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