

Converting Colors

Hex(312C30)

Have a look what the booklet for
Hex(312C30) contains.

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Color

Hex(312C30)

Conversions

Conversions Part 1

Format	Color
Hex	312C30
RGB	49, 44, 48
RGB Percent	19%, 17%, 19%
CMY	0.8078, 0.8275, 0.8118
CMYK	0.00, 0.10, 0.02, 0.81
HSL	312°, 5%, 18%
HSV	312°, 10%, 19%
XYZ	2.7008, 2.6677, 3.1689
YIQ	45.9510, 1.6960, 2.3040

Conversions

Conversions Part 2

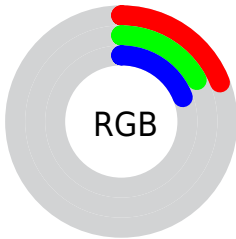
Format	Color
RYB	49, 44, 48
Decimal	3222576
CIELab	18.66, 3.18, -1.76
CIELCh	19, 3.631, 331.021
Yxy	2.6677, 0.3163, 0.3125
Android (android.graphics.Color)	4281412656 (0xFF312C30)
YUV	45.9510, 1.0102, 2.6740
Hunter-Lab	16.3332, 0.9331, -0.0699

Details

The Hex color **312C30** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2C312D**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **5F595E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **31272F**, and if you desaturate by 10%, it is **313131**.

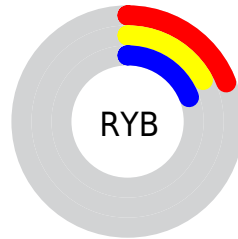
Distribution



Red (19%)

Green (17%)

Blue (19%)



Red (19%)

Yellow (17%)

Blue (19%)

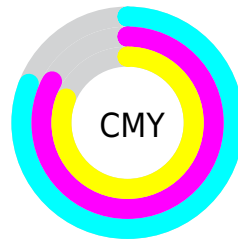


Cyan (0%)

Magenta (10%)

Yellow (2%)

Black (81%)



Cyan (81%)

Magenta (83%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color 312C30 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 312C30 by changing the saturation by 10% instead.

■ 312C30

■ 312C30

FFFFFF

■ 1C171B

■ 5F595E

■ 000000

■ 787277

■ 918B90

■ ACA6AB

■ C7C1C6

■ E3DDE2

■ FFF9FF

■ 312C30

■ 312C30

■ 31272F

■ 313131

■ 31222E

■ 313632

■ 311D2D

■ 313B33

■ 31182C

■ 314034

■ 31132B

■ 314535

■ 310F2A

■ 314936

■ 310A29

■ 314E37

■ 310528

■ 315338

■ 310027

■ 315839

Harmonies

Analogous

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



2E2D32



312C30



332C2D

Triad

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



312C30



302D28



272F30

Complementary

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



312C30



2C312D

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.



282F2D



312C30



2D2E29

Square

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



312C30



322C29



2A2F2B



282E32

Rectangle

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



312C30



332C2C



2A2F2B



272F2F

Sweetspot

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



312C30



403E3F



2D2C31



212021



A1A1A1



212121

Same Dimension

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



312C30



40383E



312C2E



1A1719



590047



D900AD

Inverse Universe

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



312C30



40383E



2C3130



1A1719



590047



D900AD

Previews

White Background



This preview shows how the Hex color 312C30 looks on a white background.

Color Contrast Check

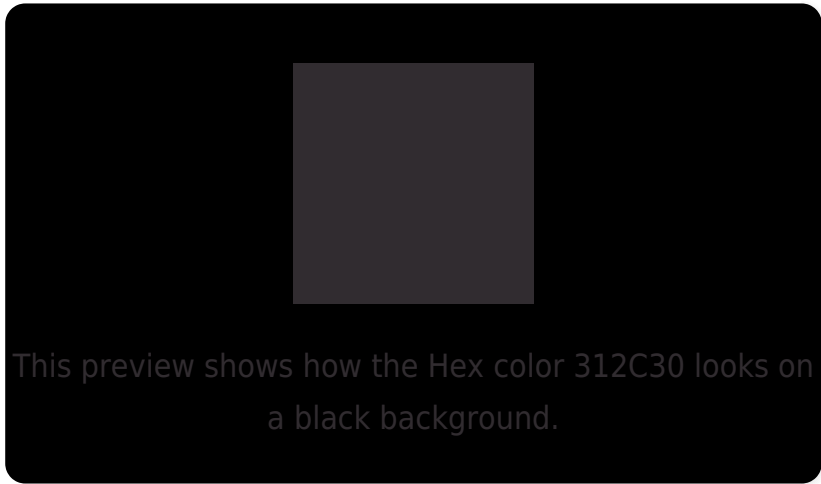
Large Text (above 18pt) WCAG AA ✓ Pass

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

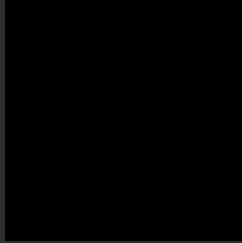
Any Text WCAG AA × Fail

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 312C30 Background



This preview shows how black text looks on a background with the Hex color 312C30.



This preview shows how white text looks on a background with the Hex color 312C30.

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
312C30

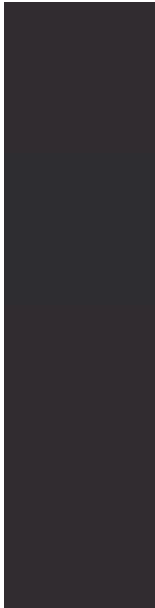
Protanopia
2D2D31

Deuteranopia
312C30



Tritanopia
312C30

Trichromacy



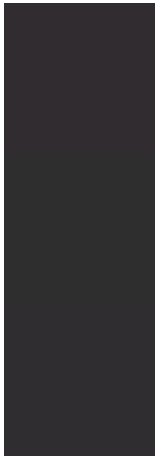
Original Color
312C30

Protanomaly
2E2D31

Deuteranomaly
312C30

Tritanomaly
312C30

Monochromacy



Original Color
312C30

Achromatopsia
2E2E2E

Achromatomaly
2F2D2F

CSS Examples

Text

The CSS property to change the color of the text to Hex 312C30 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 #312C30 looks like.

```
.text, #text, p{  
    color:#312C30  
}
```

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 #312C30 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312C30
}
```

Border

The CSS property to change the border of an element to Hex 312C30 is called "border". The border property can be set on classes, ids or directly on the HTML element.

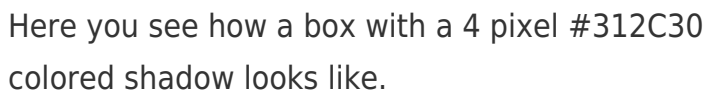
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#312C30 }
```

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

```
.border{ border-color:#312C30 }
```

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



Here you see how a box with a 4 pixel #312C30 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312C30; -webkit-box-shadow:4px 4px  
4px 4px #312C30; box-shadow:4px 4px 4px  
4px #312C30 }
```

Background

The CSS property to change the background color of an element to Hex 312C30 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312C30 }
```

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

```
.background{ background-color:#312C30 }
```

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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