

Converting Colors

Hex(312031)

Have a look what the booklet for
Hex(312031) contains.

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Color

Hex(312031)

Conversions

Conversions Part 1

Format	Color
Hex	312031
RGB	49, 32, 49
RGB Percent	19%, 13%, 19%
CMY	0.8078, 0.8745, 0.8078
CMYK	0.00, 0.35, 0.00, 0.81
HSL	300°, 21%, 16%
HSV	300°, 35%, 19%
XYZ	2.3375, 1.9077, 3.1508
YIQ	39.0210, 4.6750, 8.8910

Conversions

Conversions Part 2

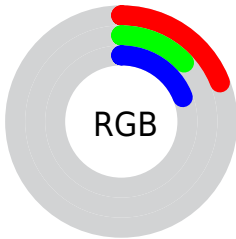
Format	Color
R_{YB}	49, 32, 49
Decimal	3219505
CIE Lab	15.00, 11.80, -7.96
CIE LCh	15, 14.237, 325.998
Yxy	1.9077, 0.3161, 0.2579
Android (android.graphics.Color)	4281409585 (0xFF312031)
YUV	39.0210, 4.9196, 8.7516
Hunter-Lab	13.8121, 6.0375, -3.8565

Details

The Hex color **312031** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **203120**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **604C5F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **311B31**, and if you desaturate by 10%, it is **312531**.

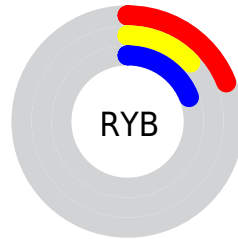
Distribution



Red (19%)

Green (13%)

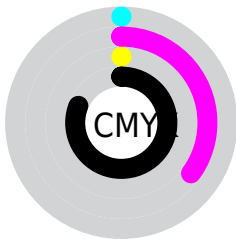
Blue (19%)



Red (19%)

Yellow (13%)

Blue (19%)

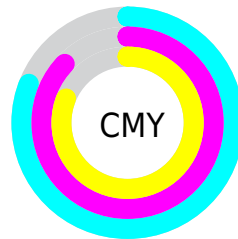


Cyan (0%)

Magenta (35%)

Yellow (0%)

Black (81%)



Cyan (81%)

Magenta (87%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color 312031 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 312031 by changing the saturation by 10% instead.

■ 312031

■ 312031

FFFFFF

■ 1D0A1C

■ 604C5F

■ 000000

■ 786478

■ 927D92

■ AD97AC

■ C8B2C7

■ E4CDE3

■ FFEAFF

■ 312031

■ 312031

■ 311B31

■ 312531

■ 311631

■ 312A31

■ 311131

■ 312F31

■ 310C31

■ 313431

■ 310731

■ 313931

■ 310331

■ 313D31

■ 310031

■ 314231

■ 314731

■ 314C31

Harmonies

Analogous

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



252438



312031



381E27

Triad

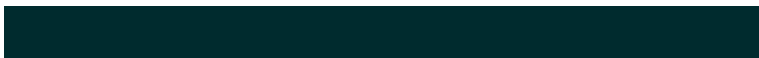
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



312031



2D2511



002B2E

Complementary

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



312031



203120

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.



092B24



312031



232813

Square

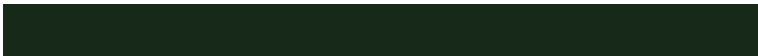
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



312031



352115



172A1A



022A36

Rectangle

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



312031



391E21



172A1A



012B2B

Sweetspot

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



312031



403940



202031



211D21



A1A1A1



212121

Same Dimension

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



312031



402540



312029



1A171A



590059



D900D9

Inverse Universe

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



312031



402540



203129



1A171A



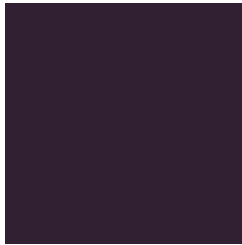
590059



D900D9

Previews

White Background



This preview shows how the Hex color 312031 looks on a white background.

Color Contrast Check

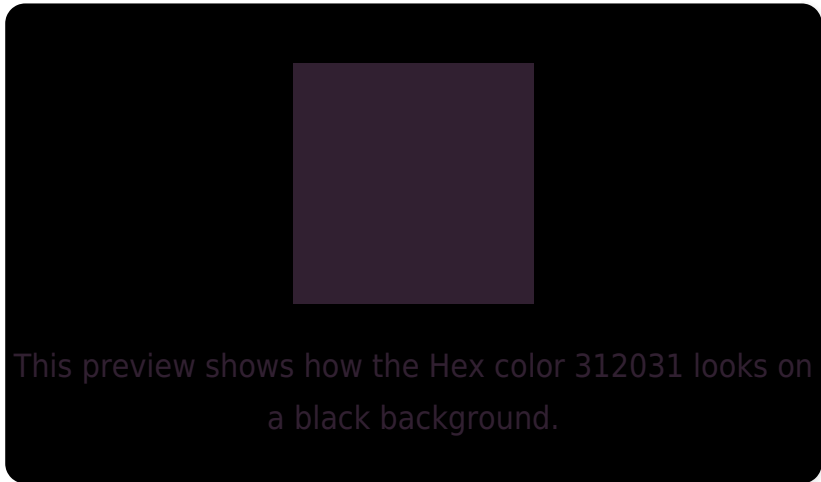
Large Text (above 18pt) WCAG AA ✓ Pass

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

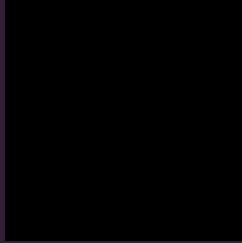
Any Text WCAG AA × Fail

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 312031 Background



This preview shows how black text looks on a background with the Hex color 312031.



This preview shows how white text looks on a background with the Hex color 312031.

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
312031

Protanopia
212535

Deuteranopia
242530



Tritanopia
2F2225

Trichromacy



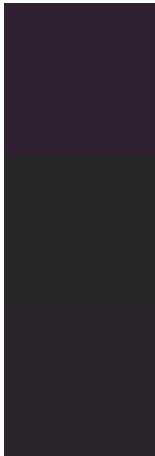
Original Color
312031

Protanomaly
272334

Deuteranomaly
292330

Tritanomaly
302129

Monochromacy



Original Color
312031

Achromatopsia
272727

Achromatomaly
2B242B

CSS Examples

Text

The CSS property to change the color of the text to Hex 312031 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 #312031 looks like.

```
.text, #text, p{  
    color:#312031  
}
```

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 #312031 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312031
}
```

Border

The CSS property to change the border of an element to Hex 312031 is called "border". The border property can be set on classes, ids or directly on the HTML element.

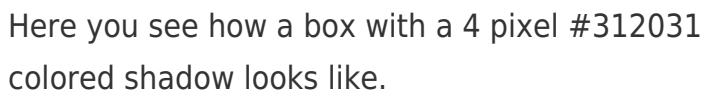
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#312031 }
```

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

```
.border{ border-color:#312031 }
```

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



Here you see how a box with a 4 pixel #312031 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312031; -webkit-box-shadow:4px 4px  
4px 4px #312031; box-shadow:4px 4px 4px  
4px #312031 }
```

Background

The CSS property to change the background color of an element to Hex 312031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312031 }
```

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

```
.background{ background-color:#312031 }
```

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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