

Converting Colors

Hex(312320)

Have a look what the booklet for
Hex(312320) contains.

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Color

Hex(312320)

Conversions

Conversions Part 1

Format	Color
Hex	312320
RGB	49, 35, 32
RGB Percent	19%, 14%, 13%
CMY	0.8078, 0.8627, 0.8745
CMYK	0.00, 0.29, 0.35, 0.81
HSL	11°, 21%, 16%
HSV	11°, 35%, 19%
XYZ	2.1284, 1.9593, 1.6325
YIQ	38.8440, 9.3070, 2.0350

Conversions

Conversions Part 2

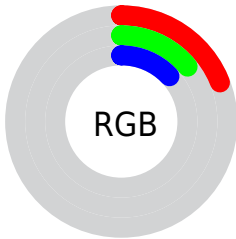
Format	Color
RYB	49, 36, 32
Decimal	3220256
CIELab	15.27, 6.14, 4.60
CIELCh	15, 7.670, 36.861
Yxy	1.9593, 0.3721, 0.3425
Android (android.graphics.Color)	4281410336 (0xFF312320)
YUV	38.8440, -3.3741, 8.9068
Hunter-Lab	13.9976, 2.6457, 2.8834

Details

The Hex color **312320** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **202E31**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **604F4C**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **311F1B**, and if you desaturate by 10%, it is **312725**.

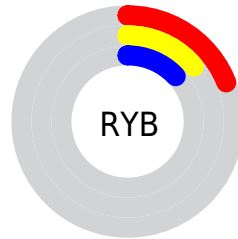
Distribution



Red (19%)

Green (14%)

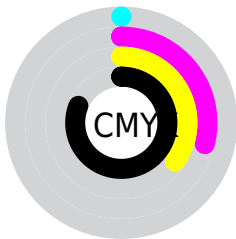
Blue (13%)



Red (19%)

Yellow (14%)

Blue (13%)

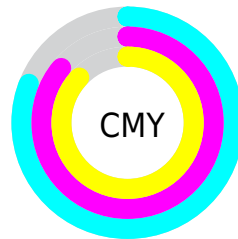


Cyan (0%)

Magenta (29%)

Yellow (35%)

Black (81%)



Cyan (81%)

Magenta (86%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 312320 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 312320 by changing the saturation by 10% instead.

■ 312320

■ 312320

FFFFFF

■ 1D0E08

■ 604F4C

■ 000000

■ 796764

■ 92817D

■ AD9B96

■ C9B5B1

■ E5D1CD

■ FFEDE9

■ 312320

■ 312320

■ 311F1B

■ 312725

■ 311B16

■ 312B2A

■ 311711

■ 312F2F

■ 31130C

■ 313334

■ 310F07

■ 313739

■ 310B03

■ 313B3D

■ 310900

■ 313F42

■ 314347

■ 31474C

Harmonies

Analogous

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



312225



312320



2E241C

Triad

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



312320



1D2922



222631

Complementary

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



312320



202E31

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.



1B2830



312320



182927

Square

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



312320



23281D



17292D



29242F

Rectangle

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



312320



2B261C



17292D



1F2731

Sweetspot

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



312320



403B39



31202E



211E1D



A1A1A1



212121

Same Dimension

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



312320



402A25



312B20



1A1717



591000



D92600

Inverse Universe

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



202E31



253B40



202631



17191A



004959



00B2D9

Previews

White Background



This preview shows how the Hex color 312320 looks on a white background.

Color Contrast Check

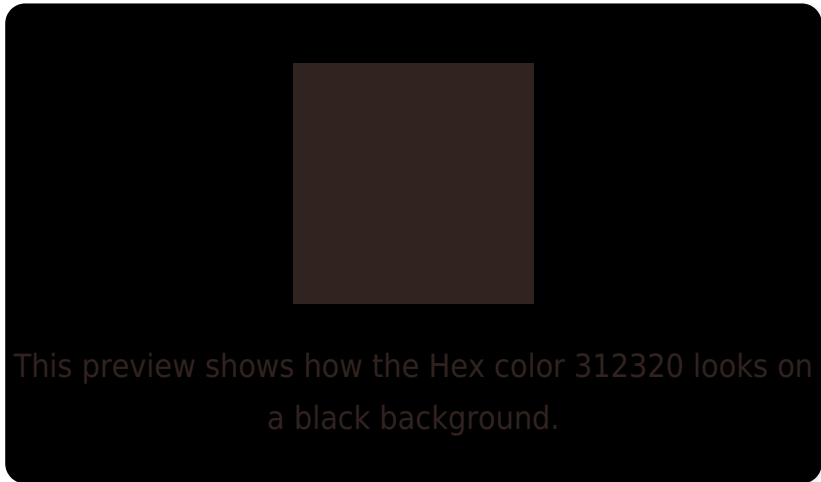
Large Text (above 18pt) WCAG AA ✓ Pass

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

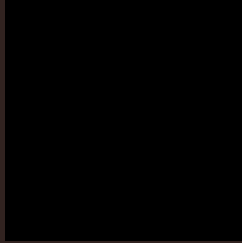
Any Text WCAG AA × Fail

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 312320 Background



This preview shows how black text looks on a background with the Hex color 312320.

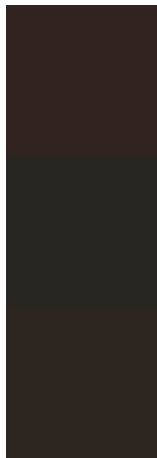


This preview shows how white text looks on a background with the Hex color 312320.

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
312320

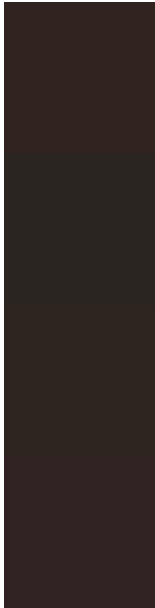
Protanopia
282622

Deuteranopia
2D2520



Tritanopia
312225

Trichromacy



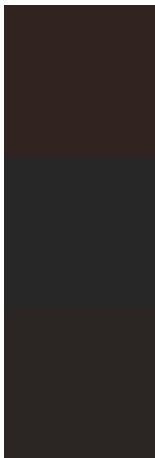
Original Color
312320

Protanomaly
2B2521

Deuteranomaly
2E2420

Tritanomaly
312223

Monochromacy



Original Color
312320

Achromatopsia
272727

Achromatomaly
2B2624

CSS Examples

Text

The CSS property to change the color of the text to Hex 312320 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 #312320 looks like.

```
.text, #text, p{  
    color:#312320  
}
```

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 #312320 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312320
}
```

Border

The CSS property to change the border of an element to Hex 312320 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
#312320 }
```

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

```
.border{ border-color:#312320 }
```

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

Here you see how a box with a 4 pixel #312320 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312320; -webkit-box-shadow:4px 4px  
4px 4px #312320; box-shadow:4px 4px 4px  
4px #312320 }
```

Background

The CSS property to change the background color of an element to Hex 312320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312320 }
```

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

```
.background{ background-color:#312320 }
```

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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