

Converting Colors

Hex(231D0B)

Have a look what the booklet for
Hex(231D0B) contains.

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Color

Hex(231D0B)

Conversions

Conversions Part 1

Format	Color
Hex	231D0B
RGB	35, 29, 11
RGB Percent	14%, 11%, 4%
CMY	0.8627, 0.8863, 0.9569
CMYK	0.00, 0.17, 0.69, 0.86
HSL	45°, 52%, 9%
HSV	45°, 69%, 14%
XYZ	1.1929, 1.2602, 0.4970
YIQ	28.7420, 9.3540, -4.3260

Conversions

Conversions Part 2

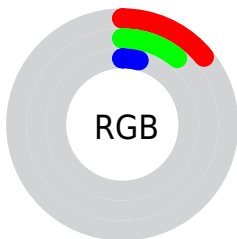
Format	Color
R_{YB}	19, 35, 11
Decimal	2301195
CIE Lab	10.99, -0.16, 11.85
CIE LCh	11, 11.848, 90.767
Yxy	1.2602, 0.4044, 0.4272
Android (android.graphics.Color)	4280491275 (0xFF231D0B)
YUV	28.7420, -8.7468, 5.4883
Hunter-Lab	11.2259, -0.6774, 5.2333

Details

The Hex color **231D0B** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **0B1123**, and the grayscale version is **1D1D1D**.

A 20% lighter version of the original color is **504837**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **231C08**, and if you desaturate by 10%, it is **231E0F**.

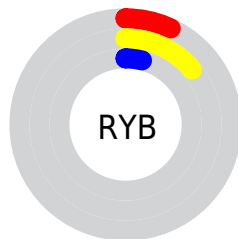
Distribution



Red (14%)

Green (11%)

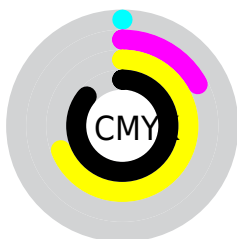
Blue (4%)



Red (7%)

Yellow (14%)

Blue (4%)

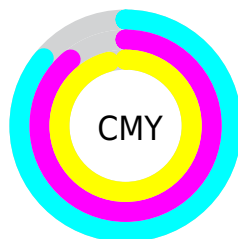


Cyan (0%)

Magenta (17%)

Yellow (69%)

Black (86%)



Cyan (86%)

Magenta (89%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Hex color 231D0B 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 231D0B by changing the saturation by 10% instead.

■ 231D0B

■ 231D0B

■ FFFFEB

■ 050400

■ 504837

■ 000000

■ 68604D

■ 817965

■ 9B927E

■ B6AD98

■ D2C8B3

■ EFE4CF

■ 231D0B

■ 231D0B

■ 231C08

■ 231E0F

■ 231B04

■ 231F12

■ 231A01

■ 232016

■ 231A00

■ 232119

■ 23211D

■ 232220

■ 232324

■ 232427

■ 23252B

Harmonies

Analogous

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



291A0E



231D0B



1A1F0E

Triad

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



231D0B



012225



281925

Complementary

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



231D0B



0B1123

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.



1F1B2B



231D0B



05202B

Square

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



231D0B



06221D



121E2D



2D171E

Rectangle

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



231D0B



142113



121E2D



251928

Sweetspot

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



231D0B



2E2B24



230B11



171611



969696



171717

Same Dimension

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



231D0B



2E2408



1D230B



121110



523D00



D19D00

Inverse Universe

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



0B1123



08122E



110B23



101112



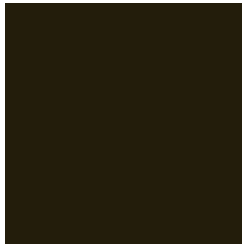
001452



0034D1

Previews

White Background



This preview shows how the Hex color 231D0B looks on a white background.

Color Contrast Check

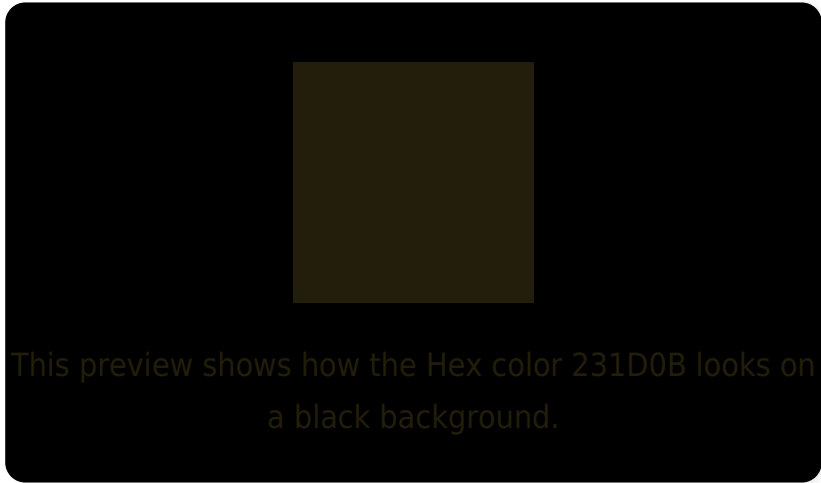
Large Text (above 18pt) WCAG AA ✓ Pass

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

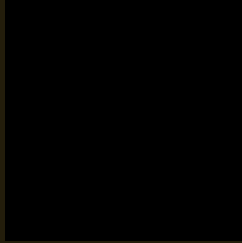
Any Text WCAG AA × Fail

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 231D0B Background



This preview shows how black text looks on a background with the Hex color 231D0B.

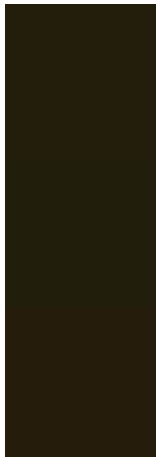


This preview shows how white text looks on a background with the Hex color 231D0B.

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
231D0B

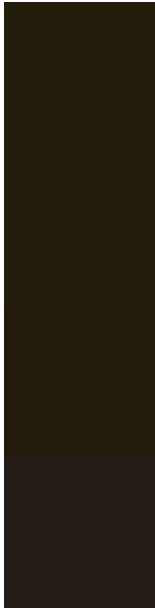
Protanopia
211E0B

Deuteranopia
251C0B



Tritanopia
241B1D

Trichromacy



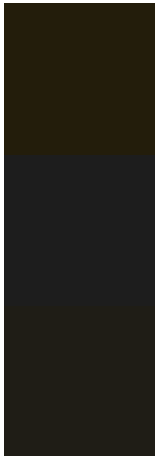
Original Color
231D0B

Protanomaly
221E0B

Deuteranomaly
241C0B

Tritanomaly
241C16

Monochromacy



Original Color
231D0B

Achromatopsia
1D1D1D

Achromatomaly
1F1D16

CSS Examples

Text

The CSS property to change the color of the text to Hex 231D0B 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 #231D0B looks like.

```
.text, #text, p{  
    color:#231D0B  
}
```

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 #231D0B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231D0B
}
```

Border

The CSS property to change the border of an element to Hex 231D0B 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
#231D0B }
```

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

```
.border{ border-color:#231D0B }
```

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

Here you see how a box with a 4 pixel #231D0B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231D0B; -webkit-box-shadow:4px 4px  
4px 4px #231D0B; box-shadow:4px 4px 4px  
4px #231D0B }
```

Background

The CSS property to change the background color of an element to Hex 231D0B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231D0B }
```

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

```
.background{ background-color:#231D0B }
```

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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