

Converting Colors

Hex(231B10)

Have a look what the booklet for
Hex(231B10) contains.

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Color

Hex(231B10)

Conversions

Conversions Part 1

Format	Color
Hex	231B10
RGB	35, 27, 16
RGB Percent	14%, 11%, 6%
CMY	0.8627, 0.8941, 0.9373
CMYK	0.00, 0.23, 0.54, 0.86
HSL	35°, 37%, 10%
HSV	35°, 54%, 14%
XYZ	1.1786, 1.1786, 0.6556
YIQ	28.1380, 8.2990, -1.7250

Conversions

Conversions Part 2

Format	Color
R_{YB}	30, 35, 16
Decimal	2300688
CIE Lab	10.40, 1.94, 8.55
CIE LCh	10, 8.769, 77.199
Yxy	1.1786, 0.3912, 0.3912
Android (android.graphics.Color)	4280490768 (0xFF231B10)
YUV	28.1380, -5.9840, 6.0180
Hunter-Lab	10.8563, 0.3799, 4.0191

Details

The Hex color **231B10** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **101823**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **50463A**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **231A0D**, and if you desaturate by 10%, it is **231C14**.

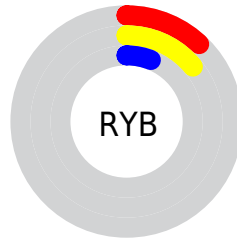
Distribution



Red (14%)

Green (11%)

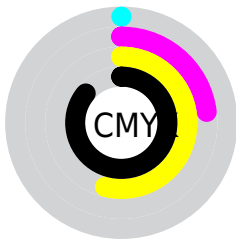
Blue (6%)



Red (12%)

Yellow (14%)

Blue (6%)

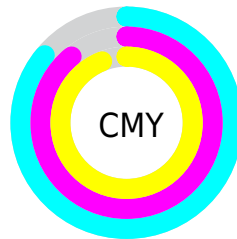


Cyan (0%)

Magenta (23%)

Yellow (54%)

Black (86%)



Cyan (86%)

Magenta (89%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Hex color 231B10 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 231B10 by changing the saturation by 10% instead.

■ 231B10

■ 231B10

■ FFFEF0

■ 070000

■ 50463A

■ 000000

■ 685E51

■ 81766A

■ 9B9083

■ B6AA9D

■ D2C6B8

■ EEE2D3

■ 231B10

■ 231B10

■ 231A0D

■ 231C14

■ 231809

■ 231E17

■ 231705

■ 231F1B

■ 231502

■ 23211E

■ 231400

■ 232222

■ 232425

■ 232529

■ 23272C

■ 232830

Harmonies

Analogous

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



271914



231B10



1D1D10

Triad

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



231B10



0A2020



211A24

Complementary

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



231B10



101823

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.



1A1C28



231B10



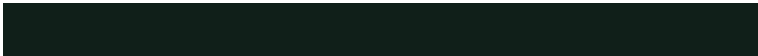
0B1F25

Square

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



231B10



101F19



111E28



26181F

Rectangle

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



231B10



191E12



111E28



1F1A26

Sweetspot

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



231B10



2E2B27



231018



171513



969696



171717

Same Dimension

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



231B10



2E2110



222310



121110



522F00



D17900

Inverse Universe

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



101823



101D2E



111023



101112



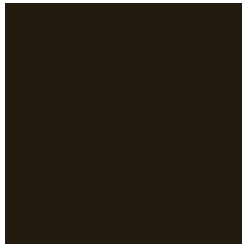
002252



0058D1

Previews

White Background



This preview shows how the Hex color 231B10 looks on a white background.

Color Contrast Check

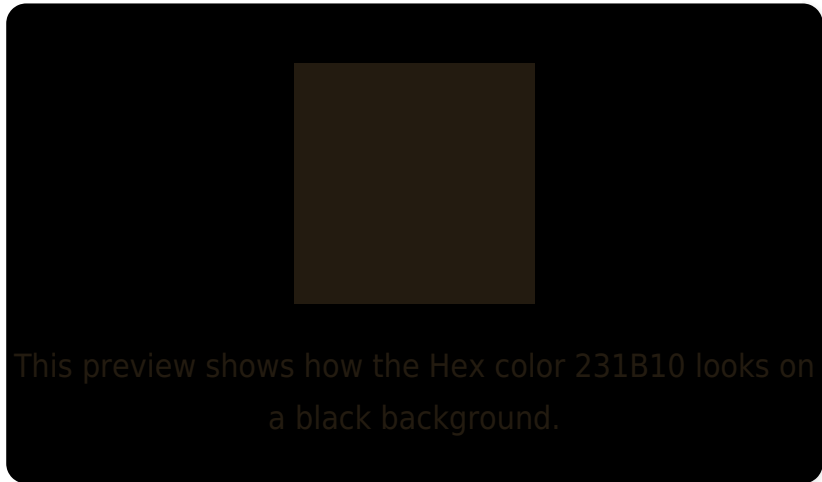
Large Text (above 18pt) WCAG AA ✓ Pass

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

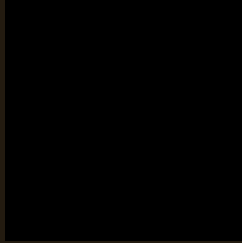
Any Text WCAG AA × Fail

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 231B10 Background



This preview shows how black text looks on a background with the Hex color 231B10.



This preview shows how white text looks on a background with the Hex color 231B10.

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

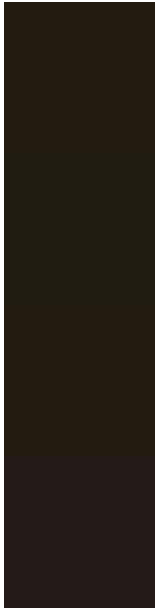


Original Color
231B10

Protanopia
1F1C11

Deuteranopia
231B10

Trichromacy



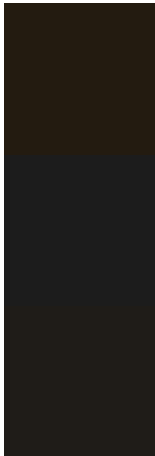
Original Color
231B10

Protanomaly
201C11

Deuteranomaly
231B10

Tritanomaly
241A18

Monochromacy



Original Color
231B10

Achromatopsia
1C1C1C

Achromatomaly
1F1C18

CSS Examples

Text

The CSS property to change the color of the text to Hex 231B10 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 #231B10 looks like.

```
.text, #text, p{  
    color:#231B10  
}
```

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 #231B10 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231B10
}
```

Border

The CSS property to change the border of an element to Hex 231B10 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
#231B10 }
```

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

```
.border{ border-color:#231B10 }
```

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

Here you see how a box with a 4 pixel #231B10 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231B10; -webkit-box-shadow:4px 4px  
4px 4px #231B10; box-shadow:4px 4px 4px  
4px #231B10 }
```

Background

The CSS property to change the background color of an element to Hex 231B10 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231B10 }
```

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

```
.background{ background-color:#231B10 }
```

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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