

Converting Colors

Hex(231B1E)

Have a look what the booklet for
Hex(231B1E) contains.

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Color

Hex(231B1E)

Conversions

Conversions Part 1

Format	Color
Hex	231B1E
RGB	35, 27, 30
RGB Percent	14%, 11%, 12%
CMY	0.8627, 0.8941, 0.8824
CMYK	0.00, 0.23, 0.14, 0.86
HSL	338°, 13%, 12%
HSV	338°, 23%, 14%
XYZ	1.3194, 1.2349, 1.3971
YIQ	29.7340, 3.8050, 2.6290

Conversions

Conversions Part 2

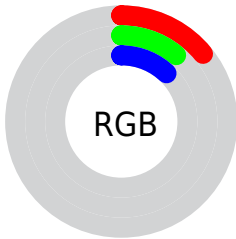
Format	Color
RYB	35, 27, 30
Decimal	2300702
CIELab	10.81, 4.60, -0.59
CIELCh	11, 4.633, 352.636
Yxy	1.2349, 0.3339, 0.3125
Android (android.graphics.Color)	4280490782 (0xFF231B1E)
YUV	29.7340, 0.1311, 4.6183
Hunter-Lab	11.1127, 1.7460, 0.3248

Details

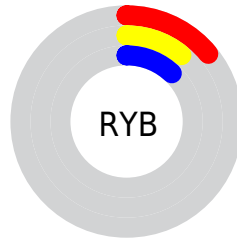
The Hex color **231B1E** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1B2320**, and the grayscale version is **1E1E1E**.

A 20% lighter version of the original color is **4F464A**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **23181C**, and if you desaturate by 10%, it is **231E20**.

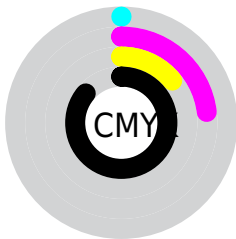
Distribution



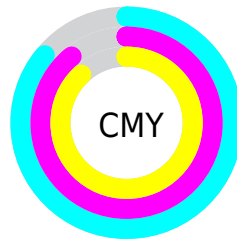
- Red (14%)
- Green (11%)
- Blue (12%)



- Red (14%)
- Yellow (11%)
- Blue (12%)



- Cyan (0%)
- Magenta (23%)
- Yellow (14%)
- Black (86%)



- Cyan (86%)
- Magenta (89%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Hex color 231B1E 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 231B1E by changing the saturation by 10% instead.



231B1E



231B1E

FFFFFF



0E0005



4F464A



000000



685E61



81767A



9B9094



B5ABAE



D1C6CA



EDE2E6



231B1E



231B1E

■ 23181C

■ 231E20

■ 23141A

■ 232222

■ 231117

■ 232625

■ 230D15

■ 232927

■ 230913

■ 232D29

■ 230611

■ 23302B

■ 23020F

■ 23342D

■ 23000D

■ 233730

■ 233B32

Harmonies

Analogous

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



201C21



231B1E



241B1B

Triad

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



231B1E



1D1E17



161E22

Complementary

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



231B1E



1B2320

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.



151F1F



231B1E



191E19

Square

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



231B1E



201D17



161F1C



191E23

Rectangle

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



231B1E



231B19



161F1C



151F21

Sweetspot

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



231B1E



2E2B2C



201B23



171516



969696



171717

Same Dimension

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



231B1E



2E2226



231C1B



121011



52001F



D1004E

Inverse Universe

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



231B1E



2E2226



1B2223



121011



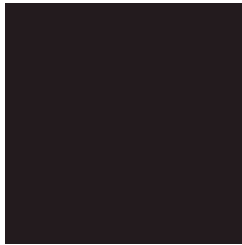
52001F



D1004E

Previews

White Background



This preview shows how the Hex color 231B1E looks on a white background.

Color Contrast Check

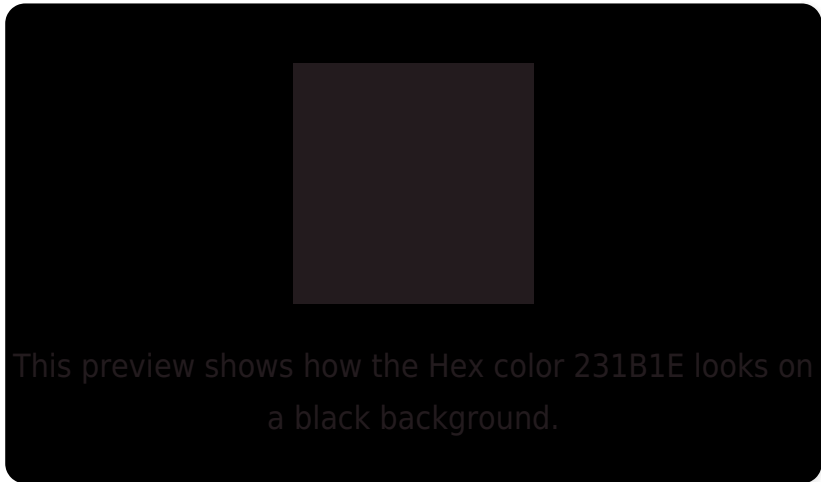
Large Text (above 18pt) WCAG AA ✓ Pass

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

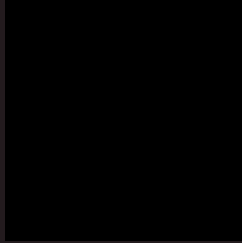
Any Text WCAG AA × Fail

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 231B1E Background



This preview shows how black text looks on a background with the Hex color 231B1E.

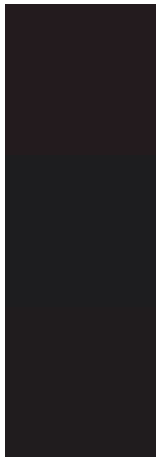


This preview shows how white text looks on a background with the Hex color 231B1E.

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
231B1E

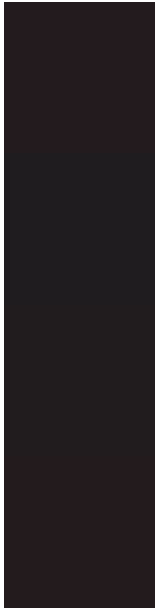
Protanopia
1D1D1F

Deuteranopia
201C1E



Tritanopia
231B1D

Trichromacy



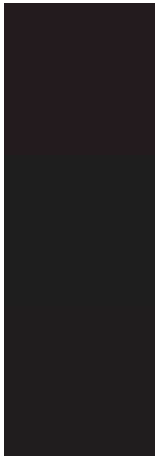
Original Color
231B1E

Protanomaly
1F1C1F

Deuteranomaly
211C1E

Tritanomaly
231B1D

Monochromacy



Original Color
231B1E

Achromatopsia
1E1E1E

Achromatomaly
201D1E

CSS Examples

Text

The CSS property to change the color of the text to Hex 231B1E 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 #231B1E looks like.

```
.text, #text, p{  
    color:#231B1E  
}
```

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 #231B1E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231B1E
}
```

Border

The CSS property to change the border of an element to Hex 231B1E is called "border". The border property can be set on classes, ids or directly on the HTML element.

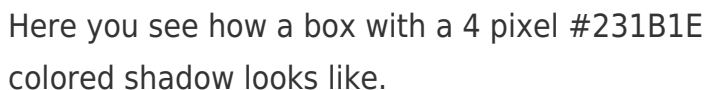
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#231B1E }
```

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

```
.border{ border-color:#231B1E }
```

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



Here you see how a box with a 4 pixel #231B1E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231B1E; -webkit-box-shadow:4px 4px  
4px 4px #231B1E; box-shadow:4px 4px 4px  
4px #231B1E }
```

Background

The CSS property to change the background color of an element to Hex 231B1E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231B1E }
```

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

```
.background{ background-color:#231B1E }
```

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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