

Converting Colors

Hex(23201B)

Have a look what the booklet for
Hex(23201B) contains.

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Color

Hex(23201B)

Conversions

Conversions Part 1

Format	Color
Hex	23201B
RGB	35, 32, 27
RGB Percent	14%, 13%, 11%
CMY	0.8627, 0.8745, 0.8941
CMYK	0.00, 0.09, 0.23, 0.86
HSL	37°, 13%, 12%
HSV	37°, 23%, 14%
XYZ	1.4075, 1.4695, 1.2464
YIQ	32.3270, 3.3930, -0.9190

Conversions

Conversions Part 2

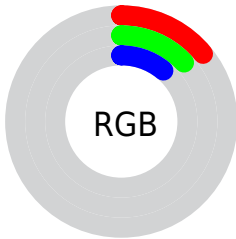
Format	Color
RYB	32, 35, 27
Decimal	2301979
CIELab	12.41, 0.31, 3.91
CIElCh	12, 3.926, 85.408
Yxy	1.4695, 0.3413, 0.3564
Android (android.graphics.Color)	4280492059 (0xFF23201B)
YUV	32.3270, -2.6262, 2.3442
Hunter-Lab	12.1222, -0.4887, 2.3895

Details

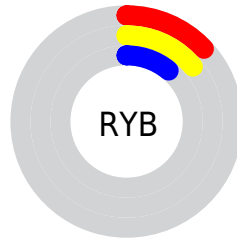
The Hex color **23201B** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1B1E23**, and the grayscale version is **202020**.

A 20% lighter version of the original color is **4F4C46**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **231F18**, and if you desaturate by 10%, it is **23211E**.

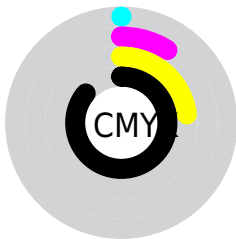
Distribution



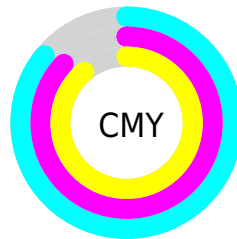
- Red (14%)
- Green (13%)
- Blue (11%)



- Red (13%)
- Yellow (14%)
- Blue (11%)



- Cyan (0%)
- Magenta (9%)
- Yellow (23%)
- Black (86%)



- Cyan (86%)
- Magenta (87%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Hex color 23201B 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 23201B by changing the saturation by 10% instead.



23201B



23201B

FFFFFFE



0E0800



4F4C46



000000



67645E



817D76



9B9690



B5B1AA



D1CDC6



EDE9E2



23201B



23201B

■ 231F18

■ 23211E

■ 231D14

■ 232322

■ 231C11

■ 232426

■ 231B0D

■ 232529

■ 231909

■ 23272D

■ 231806

■ 232830

■ 231702

■ 232934

■ 231600

■ 232B37

■ 232C3B

Harmonies

Analogous

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



251F1C



23201B



20211B

Triad

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



23201B



1A2223



241F23

Complementary

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



23201B



1B1E23

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.



202025



23201B



1A2125

Square

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



23201B



1B2220



1D2126



261F21

Rectangle

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



23201B



1E211C



1D2126



231F24

Sweetspot

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



23201B



2E2D2B



231B1E



171615



969696



171717

Same Dimension

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



23201B



2E2922



22231B



121110



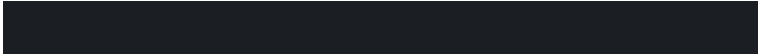
523300



D18300

Inverse Universe

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



1B1E23



22262E



1C1B23



101112



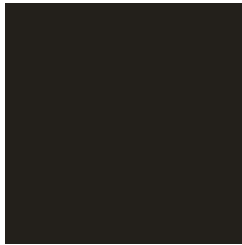
001F52



004ED1

Previews

White Background



This preview shows how the Hex color 23201B looks on a white background.

Color Contrast Check

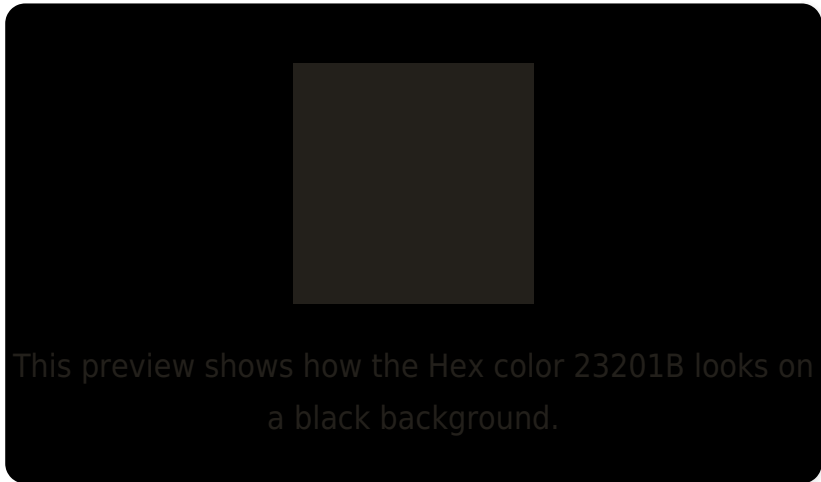
Large Text (above 18pt) WCAG AA ✓ Pass

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

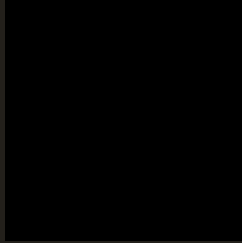
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

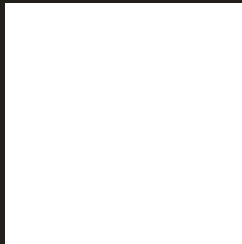
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Hex 23201B Background



This preview shows how black text looks on a background with the Hex color 23201B.



This preview shows how white text looks on a background with the Hex color 23201B.

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
23201B

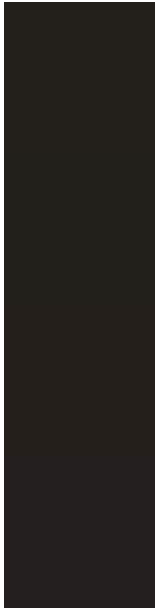
Protanopia
22201B

Deuteranopia
251F1B



Tritanopia
241F22

Trichromacy



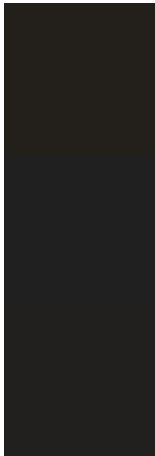
Original Color
23201B

Protanomaly
22201B

Deuteranomaly
241F1B

Tritanomaly
241F1F

Monochromacy



Original Color
23201B

Achromatopsia
202020

Achromatomaly
21201E

CSS Examples

Text

The CSS property to change the color of the text to Hex 23201B 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 #23201B looks like.

```
.text, #text, p{  
    color:#23201B  
}
```

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 #23201B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #23201B  
}
```

Border

The CSS property to change the border of an element to Hex 23201B 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  
#23201B }
```

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

```
.border{ border-color:#23201B }
```

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

Here you see how a box with a 4 pixel #23201B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #23201B; -webkit-box-shadow:4px 4px  
4px 4px #23201B; box-shadow:4px 4px 4px  
4px #23201B }
```

Background

The CSS property to change the background color of an element to Hex 23201B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#23201B }
```

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

```
.background{ background-color:#23201B }
```

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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