

Converting Colors

Hex(251B1B)

Have a look what the booklet for
Hex(251B1B) contains.

Hex(251B1B)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(251B1B)

Conversions

Conversions Part 1

Format	Color
Hex	251B1B
RGB	37, 27, 27
RGB Percent	15%, 11%, 11%
CMY	0.8549, 0.8941, 0.8941
CMYK	0.00, 0.27, 0.27, 0.85
HSL	0°, 16%, 13%
HSV	0°, 27%, 15%
XYZ	1.3527, 1.2563, 1.2081
YIQ	29.9900, 5.9600, 2.1200

Conversions

Conversions Part 2

Format	Color
RYB	37, 27, 27
Decimal	2431771
CIELab	10.97, 4.93, 1.89
CIElCh	11, 5.283, 20.917
Yxy	1.2563, 0.3544, 0.3291
Android (android.graphics.Color)	4280621851 (0xFF251B1B)
YUV	29.9900, -1.4741, 6.1478
Hunter-Lab	11.2085, 1.9275, 1.4554

Details

The Hex color **251B1B** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1B2525**, and the grayscale version is **1E1E1E**.

A 20% lighter version of the original color is **524646**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **251717**, and if you desaturate by 10%, it is **251F1F**.

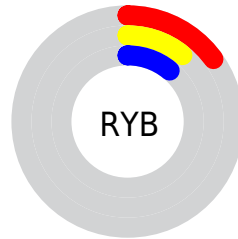
Distribution



Red (15%)

Green (11%)

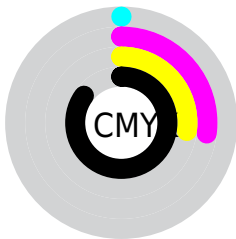
Blue (11%)



Red (15%)

Yellow (11%)

Blue (11%)

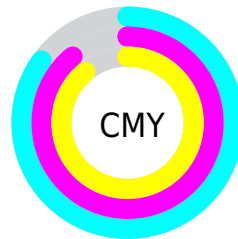


Cyan (0%)

Magenta (27%)

Yellow (27%)

Black (85%)



Cyan (85%)

Magenta (89%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Hex color 251B1B 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 251B1B by changing the saturation by 10% instead.

■ 251B1B

■ 251B1B

FFFFFFE

■ 110000

■ 524646

■ 000000

■ 6A5E5E

■ 837676

■ 9D9090

■ B8ABAA

■ D4C6C6

■ F0E2E2

■ 251B1B

■ 251B1B

■ 251717

■ 251F1F

■ 251414

■ 252222

■ 251010

■ 252626

■ 250C0C

■ 252A2A

■ 250909

■ 252E2E

■ 250505

■ 253131

■ 250101

■ 253535

■ 250000

■ 253939

■ 253C3C

Harmonies

Analogous

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



241B1F



251B1B



241C18

Triad

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



251B1B



191F19



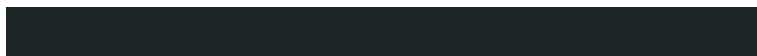
181E24

Complementary

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



251B1B



1B2525

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.



151F23



251B1B



161F1C

Square

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



251B1B



1E1E17



141F20



1D1D24

Rectangle

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



251B1B



221C17



141F20



171E24

Sweetspot

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



251B1B



302D2D



251B25



1A1717



999999



1A1A1A

Same Dimension

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



251B1B



302121



25201B



121010



520000



D10000

Inverse Universe

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



1B2525



213030



1B2025



101212



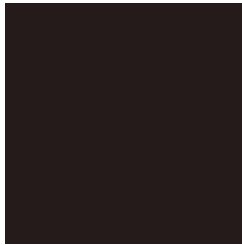
005252



00D1D1

Previews

White Background



This preview shows how the Hex color 251B1B looks on a white background.

Color Contrast Check

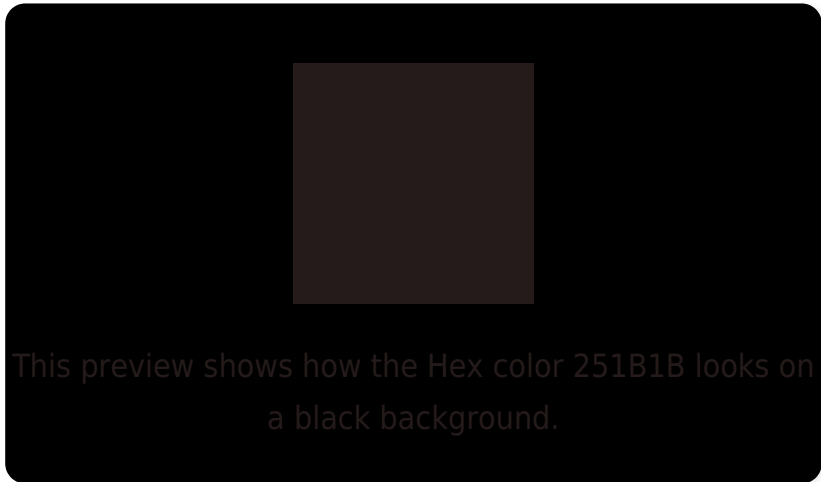
Large Text (above 18pt) WCAG AA ✓ Pass

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

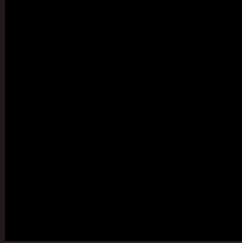
Any Text WCAG AA × Fail

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 251B1B Background



This preview shows how black text looks on a background with the Hex color 251B1B.

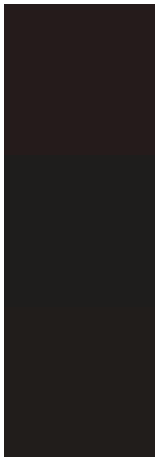


This preview shows how white text looks on a background with the Hex color 251B1B.

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
251B1B

Protanopia
1E1D1C

Deuteranopia
211D1B



Tritanopia
251B1D

Trichromacy



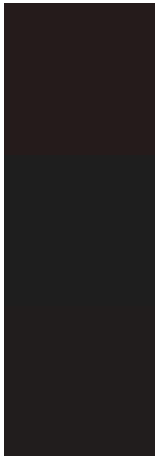
Original Color
251B1B

Protanomaly
211C1C

Deuteranomaly
221C1B

Tritanomaly
251B1C

Monochromacy



Original Color
251B1B

Achromatopsia
1E1E1E

Achromatomaly
211D1D

CSS Examples

Text

The CSS property to change the color of the text to Hex 251B1B 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 #251B1B looks like.

```
.text, #text, p{  
    color:#251B1B  
}
```

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 #251B1B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #251B1B
}
```

Border

The CSS property to change the border of an element to Hex 251B1B is called "border". The border property can be set on classes, ids or directly on the HTML element.

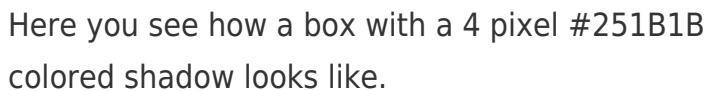
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#251B1B }
```

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

```
.border{ border-color:#251B1B }
```

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



Here you see how a box with a 4 pixel #251B1B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #251B1B; -webkit-box-shadow:4px 4px  
4px 4px #251B1B; box-shadow:4px 4px 4px  
4px #251B1B }
```

Background

The CSS property to change the background color of an element to Hex 251B1B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#251B1B }
```

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

```
.background{ background-color:#251B1B }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor