

Converting Colors

Hex(231B11)

Have a look what the booklet for
Hex(231B11) contains.

Hex(231B11)	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(231B11)

Conversions

Conversions Part 1

Format	Color
Hex	231B11
RGB	35, 27, 17
RGB Percent	14%, 11%, 7%
CMY	0.8627, 0.8941, 0.9333
CMYK	0.00, 0.23, 0.51, 0.86
HSL	33°, 35%, 10%
HSV	33°, 51%, 14%
XYZ	1.1862, 1.1817, 0.6959
YIQ	28.2520, 7.9780, -1.4140

Conversions

Conversions Part 2

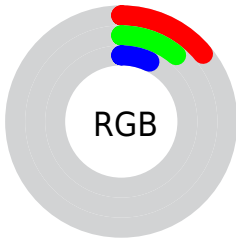
Format	Color
RYB	31, 35, 17
Decimal	2300689
CIELab	10.42, 2.09, 8.01
CIElCh	10, 8.284, 75.354
Yxy	1.1817, 0.3872, 0.3857
Android (android.graphics.Color)	4280490769 (0xFF231B11)
YUV	28.2520, -5.5472, 5.9180
Hunter-Lab	10.8704, 0.4558, 3.8138

Details

The Hex color **231B11** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **111923**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **50463B**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **23190E**, and if you desaturate by 10%, it is **231D14**.

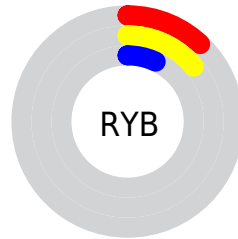
Distribution



Red (14%)

Green (11%)

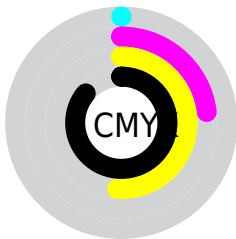
Blue (7%)



Red (12%)

Yellow (14%)

Blue (7%)

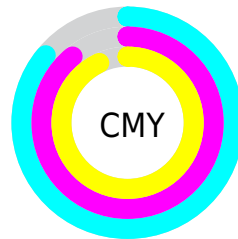


Cyan (0%)

Magenta (23%)

Yellow (51%)

Black (86%)



Cyan (86%)

Magenta (89%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Hex color 231B11 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 231B11 by changing the saturation by 10% instead.

■ 231B11

■ 231B11

■ FFFEF1

■ 080000

■ 50463B

■ 000000

■ 685E52

■ 81766B

■ 9B9084

■ B6AA9E

■ D2C6B9

■ EEE2D4

■ 231B11

■ 231B11

■ 23190E

■ 231D14

■ 23180A

■ 231E18

■ 231606

■ 23201B

■ 231503

■ 23211F

■ 231300

■ 232323

■ 232426

■ 232629

■ 23272D

■ 232931

Harmonies

Analogous

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



271914



231B11



1E1D11

Triad

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



231B11



0C1F1F



211A24

Complementary

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



231B11



111923

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.



191C27



231B11



0C1F24

Square

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



231B11



111F19



121E27



26191F

Rectangle

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



231B11



191E13



121E27



1E1B25

Sweetspot

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



231B11



2E2B27



231119



171513



969696



171717

Same Dimension

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



231B11



2E2111



222311



121110



522D00



D17400

Inverse Universe

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



111923



111E2E



121123



101112



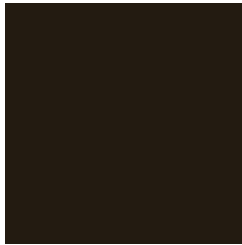
002452



005DD1

Previews

White Background



This preview shows how the Hex color 231B11 looks on a white background.

Color Contrast Check

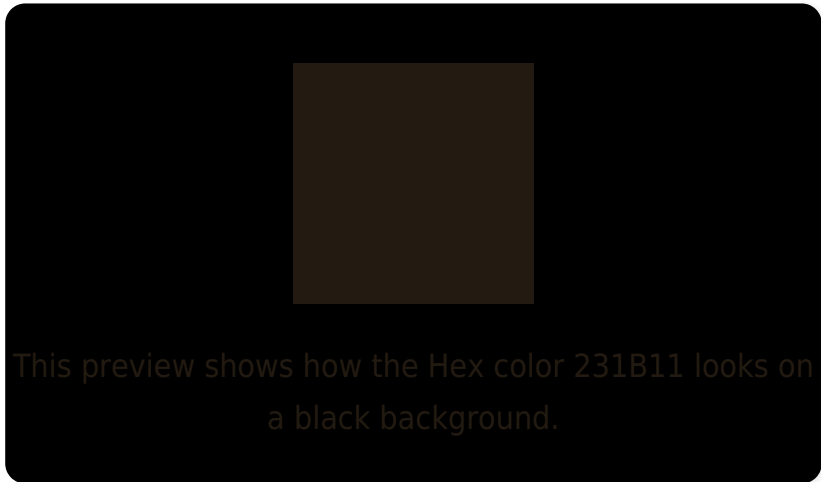
Large Text (above 18pt) WCAG AA ✓ Pass

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

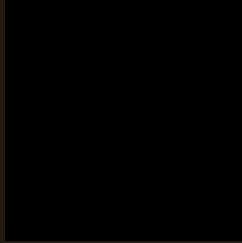
Any Text WCAG AA × Fail

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 231B11 Background



This preview shows how black text looks on a background with the Hex color 231B11.

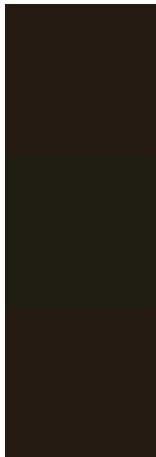


This preview shows how white text looks on a background with the Hex color 231B11.

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

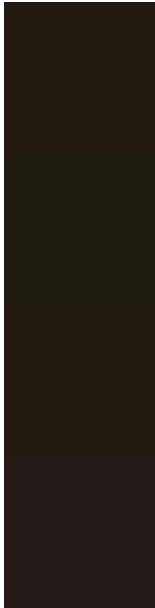


Original Color
231B11

Protanopia
1F1C12

Deuteranopia
231B11

Trichromacy



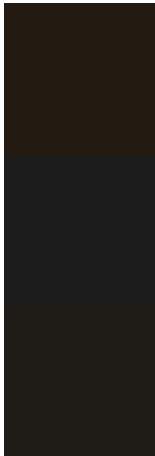
Original Color
231B11

Protanomaly
201C12

Deuteranomaly
231B11

Tritanomaly
241A18

Monochromacy



Original Color
231B11

Achromatopsia
1C1C1C

Achromatomaly
1F1C18

CSS Examples

Text

The CSS property to change the color of the text to Hex 231B11 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 #231B11 looks like.

```
.text, #text, p{  
    color:#231B11  
}
```

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 #231B11 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231B11
}
```

Border

The CSS property to change the border of an element to Hex 231B11 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
#231B11 }
```

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

```
.border{ border-color:#231B11 }
```

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

Here you see how a box with a 4 pixel #231B11 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231B11; -webkit-box-shadow:4px 4px  
4px 4px #231B11; box-shadow:4px 4px 4px  
4px #231B11 }
```

Background

The CSS property to change the background color of an element to Hex 231B11 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231B11 }
```

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

```
.background{ background-color:#231B11 }
```

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