

Converting Colors

Hex(231F19)

Have a look what the booklet for
Hex(231F19) contains.

Hex(231F19)	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(231F19)

Conversions

Conversions Part 1

Format	Color
Hex	231F19
RGB	35, 31, 25
RGB Percent	14%, 12%, 10%
CMY	0.8627, 0.8784, 0.9020
CMYK	0.00, 0.11, 0.29, 0.86
HSL	36°, 17%, 12%
HSV	36°, 29%, 14%
XYZ	1.3586, 1.4075, 1.1198
YIQ	31.5120, 4.3100, -1.0180

Conversions

Conversions Part 2

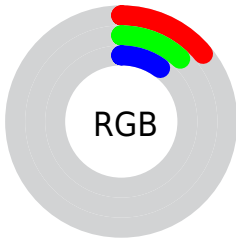
Format	Color
RYB	32, 35, 25
Decimal	2301721
CIELab	12.01, 0.62, 4.80
CIElCh	12, 4.836, 82.598
Yxy	1.4075, 0.3496, 0.3622
Android (android.graphics.Color)	4280491801 (0xFF231F19)
YUV	31.5120, -3.2104, 3.0590
Hunter-Lab	11.8637, -0.3204, 2.7085

Details

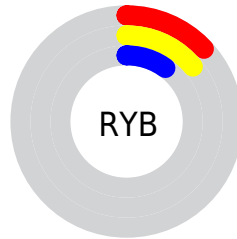
The Hex color **231F19** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **191D23**, and the grayscale version is **202020**.

A 20% lighter version of the original color is **4F4B44**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **231E15**, and if you desaturate by 10%, it is **23201C**.

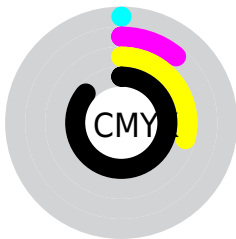
Distribution



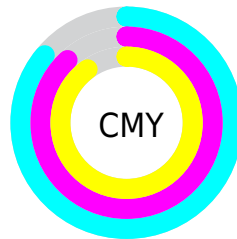
- Red (14%)
- Green (12%)
- Blue (10%)



- Red (13%)
- Yellow (14%)
- Blue (10%)



- Cyan (0%)
- Magenta (11%)
- Yellow (29%)
- Black (86%)



- Cyan (86%)
- Magenta (88%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Hex color 231F19 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 231F19 by changing the saturation by 10% instead.

■ 231F19

■ 231F19

FFFFFC

■ 0D0700

■ 4F4B44

■ 000000

■ 68625B

■ 817B74

■ 9B958D

■ B6B0A8

■ D1CBC3

■ EDE7DF

■ 231F19

■ 231F19

■ 231E15

■ 23201C

■ 231C12

■ 232220

■ 231B0E

■ 232324

■ 23190B

■ 232527

■ 231807

■ 23262B

■ 231704

■ 23272E

■ 231500

■ 232932

■ 232A35

■ 232C39

Harmonies

Analogous

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



261E1A



231F19



1F2019

Triad

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



231F19



172122



231E24

Complementary

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



231F19



191D23

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.



1F1F26



231F19



182125

Square

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



231F19



18211F



1B2026



261D20

Rectangle

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



231F19



1D211B



1B2026



221E24

Sweetspot

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



231F19



2E2C2A



23191D



171614



969696



171717

Same Dimension

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



231F19



2E281E



222319



121110



523100



D17D00

Inverse Universe

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



191D23



1E252E



1A1923



101112



002152



0054D1

Previews

White Background



This preview shows how the Hex color 231F19 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

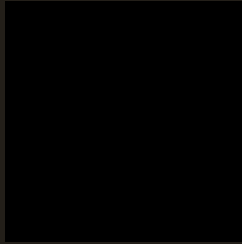
Any Text WCAG AA × Fail

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 231F19 Background



This preview shows how black text looks on a background with the Hex color 231F19.



This preview shows how white text looks on a background with the Hex color 231F19.

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
231F19

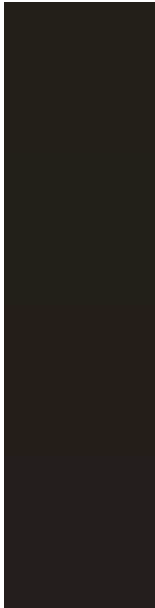
Protanopia
222019

Deuteranopia
251E19



Tritanopia
241E20

Trichromacy



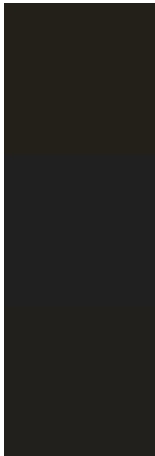
Original Color
231F19

Protanomaly
222019

Deuteranomaly
241E19

Tritanomaly
241E1D

Monochromacy



Original Color
231F19

Achromatopsia
202020

Achromatomaly
21201D

CSS Examples

Text

The CSS property to change the color of the text to Hex 231F19 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 #231F19 looks like.

```
.text, #text, p{  
    color:#231F19  
}
```

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 #231F19 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231F19
}
```

Border

The CSS property to change the border of an element to Hex 231F19 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
#231F19 }
```

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

```
.border{ border-color:#231F19 }
```

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

Here you see how a box with a 4 pixel #231F19 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231F19; -webkit-box-shadow:4px 4px  
4px 4px #231F19; box-shadow:4px 4px 4px  
4px #231F19 }
```

Background

The CSS property to change the background color of an element to Hex 231F19 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231F19 }
```

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

```
.background{ background-color:#231F19 }
```

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