

Converting Colors

Hex(231820)

Have a look what the booklet for
Hex(231820) contains.

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Color

Hex(231820)

Conversions

Conversions Part 1

Format	Color
Hex	231820
RGB	35, 24, 32
RGB Percent	14%, 9%, 13%
CMY	0.8627, 0.9059, 0.8745
CMYK	0.00, 0.31, 0.09, 0.86
HSL	316°, 19%, 12%
HSV	316°, 31%, 14%
XYZ	1.2805, 1.1149, 1.5142
YIQ	28.2010, 3.9880, 4.8200

Conversions

Conversions Part 2

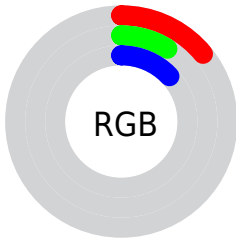
Format	Color
RYB	35, 24, 32
Decimal	2299936
CIELab	9.91, 7.27, -3.42
CIElCh	10, 8.037, 334.845
Yxy	1.1149, 0.3275, 0.2852
Android (android.graphics.Color)	4280490016 (0xFF231820)
YUV	28.2010, 1.8729, 5.9627
Hunter-Lab	10.5588, 3.1692, -1.1115

Details

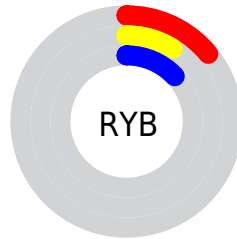
The Hex color **231820** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **18231B**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **50434C**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **23141F**, and if you desaturate by 10%, it is **231C21**.

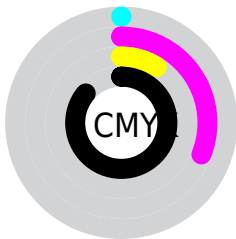
Distribution



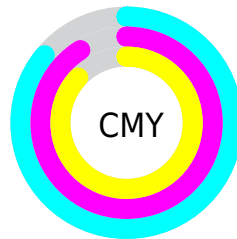
- Red (14%)
- Green (9%)
- Blue (13%)



- Red (14%)
- Yellow (9%)
- Blue (13%)



- Cyan (0%)
- Magenta (31%)
- Yellow (9%)
- Black (86%)



- Cyan (86%)
- Magenta (91%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 231820 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 231820 by changing the saturation by 10% instead.

■ 231820

■ 231820

■ FFFAFF

■ 0E0008

■ 50434C

■ 000000

■ 685A64

■ 81737D

■ 9B8C96

■ B6A7B1

■ D1C2CD

■ EEDEE9

■ 231820

■ 231820

■ 23141F

■ 231C21

■ 23111E

■ 231F22

■ 230E1D

■ 232323

■ 230A1C

■ 232624

■ 23071B

■ 232A25

■ 23031A

■ 232D26

■ 230019

■ 233127

■ 233428

■ 233829

Harmonies

Analogous

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



1D1A24



231820



26171B

Triad

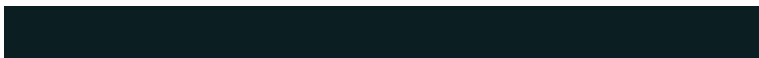
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



231820



1F1B10



0B1E21

Complementary

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



231820



18231B

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.



0D1E1C



231820



191D12

Square

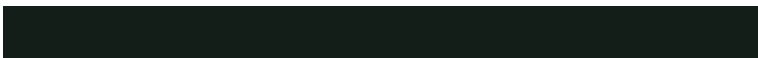
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



231820



231911



121E17



0F1D25

Rectangle

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



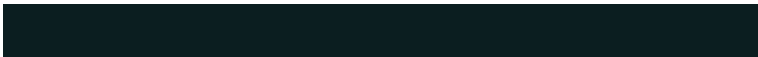
231820



261817



121E17



0B1E20

Sweetspot

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



231820



2E2A2D



1B1823



171416



969696



171717

Same Dimension

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



231820



2E1C29



23181B



121011



52003B



D10098

Inverse Universe

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



231820



2E1C29



182320



121011



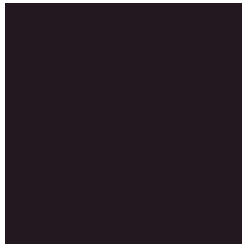
52003B



D10098

Previews

White Background



This preview shows how the Hex color 231820 looks on a white background.

Color Contrast Check

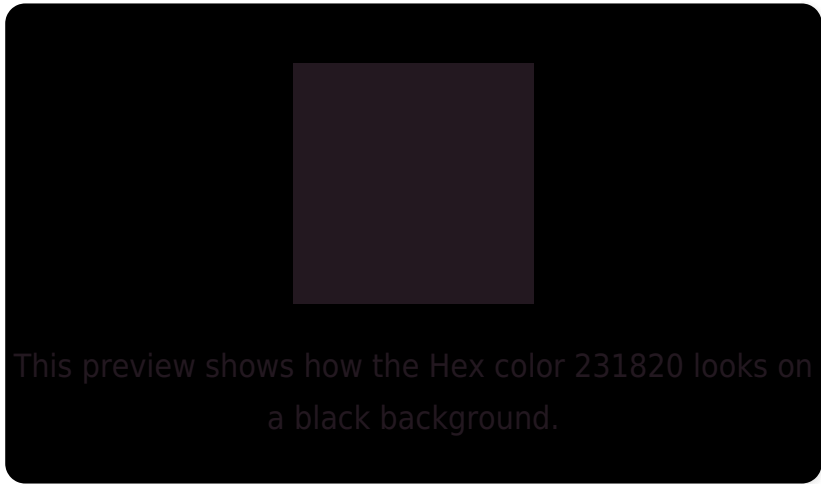
Large Text (above 18pt) WCAG AA ✓ Pass

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

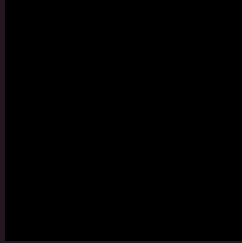
Any Text WCAG AA × Fail

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 231820 Background



This preview shows how black text looks on a background with the Hex color 231820.



This preview shows how white text looks on a background with the Hex color 231820.

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
231820

Protanopia
1A1B22

Deuteranopia
1C1B1F



Tritanopia
22191B

Trichromacy



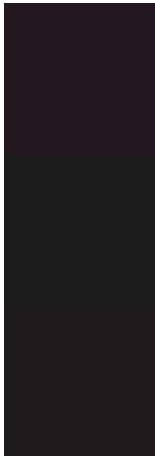
Original Color
231820

Protanomaly
1D1A21

Deuteranomaly
1F1A1F

Tritanomaly
22191D

Monochromacy



Original Color
231820

Achromatopsia
1C1C1C

Achromatomaly
1F1B1D

CSS Examples

Text

The CSS property to change the color of the text to Hex 231820 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 #231820 looks like.

```
.text, #text, p{  
    color:#231820  
}
```

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 #231820 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231820
}
```

Border

The CSS property to change the border of an element to Hex 231820 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
#231820 }
```

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

```
.border{ border-color:#231820 }
```

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

Here you see how a box with a 4 pixel #231820 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231820; -webkit-box-shadow:4px 4px  
4px 4px #231820; box-shadow:4px 4px 4px  
4px #231820 }
```

Background

The CSS property to change the background color of an element to Hex 231820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231820 }
```

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

```
.background{ background-color:#231820 }
```

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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