

Converting Colors

Hex(231C3B)

Have a look what the booklet for
Hex(231C3B) contains.

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Color

Hex(231C3B)

Conversions

Conversions Part 1

Format	Color
Hex	231C3B
RGB	35, 28, 59
RGB Percent	14%, 11%, 23%
CMY	0.8627, 0.8902, 0.7686
CMYK	0.41, 0.53, 0.00, 0.77
HSL	254°, 36%, 17%
HSV	254°, 53%, 23%
XYZ	1.8978, 1.5036, 4.3279
YIQ	33.6270, -5.7790, 11.1250

Conversions

Conversions Part 2

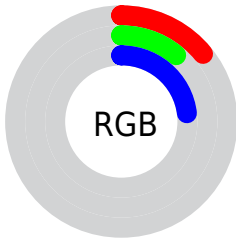
Format	Color
R_{YB}	35, 28, 59
Decimal	2300987
CIE _{Lab}	12.63, 12.24, -18.89
CIE _{LCh}	13, 22.508, 302.934
Yxy	1.5036, 0.2455, 0.1945
Android (android.graphics.Color)	4280491067 (0xFF231C3B)
YUV	33.6270, 12.5089, 1.2041
Hunter-Lab	12.2621, 6.1677, -12.3427

Details

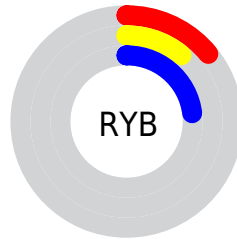
The Hex color **231C3B** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **343B1C**, and the grayscale version is **222222**.

A 20% lighter version of the original color is **51476B**, and **00010E** is the 20% darker color. If you saturate the color by 10%, you get **1E163B**, and if you desaturate by 10%, it is **28223B**.

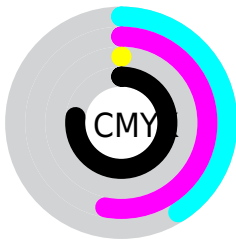
Distribution



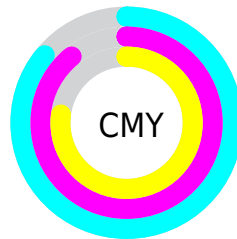
- Red (14%)
- Green (11%)
- Blue (23%)



- Red (14%)
- Yellow (11%)
- Blue (23%)



- Cyan (41%)
- Magenta (53%)
- Yellow (0%)
- Black (77%)



- Cyan (86%)
- Magenta (89%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Hex color 231C3B 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 231C3B by changing the saturation by 10% instead.

■ 231C3B

■ 231C3B

FFFFFF

■ 100225

■ 51476B

■ 00010E

■ 695F84

■ 000000

■ 83789E

■ 9D92B9

■ B8ACD5

■ D4C8F1

■ F1E4FF

■ 231C3B

■ 231C3B

■ 1E163B

■ 28223B

■ 1A103B

■ 2C283B

■ 150A3B

■ 312E3B

■ 11043B

■ 35343B

■ 0D003B

■ 3A393B

■ 3E3F3B

■ 43453B

■ 484B3B

■ 4C513B

Harmonies

Analogous

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



002240



231C3B



35152F

Triad

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



231C3B



351B00



002822

Complementary

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



231C3B



343B1C

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.



002712



231C3B



292000

Square

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



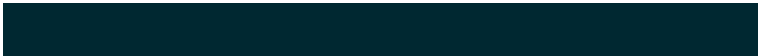
231C3B



3C1510



192500



002831

Rectangle

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



231C3B



3B1225



192500



00281C

Sweetspot

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



231C3B



43404D



1C343B



211F26



A6A6A6



262626

Same Dimension

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



231C3B



271C4D



321C3B



1C1C1F



15005E



3200DE

Inverse Universe

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



3B1C34



4D1C42



253B1C



1F1C1E



5E0049



DE00AC

Previews

White Background



This preview shows how the Hex color 231C3B looks on a white background.

Color Contrast Check

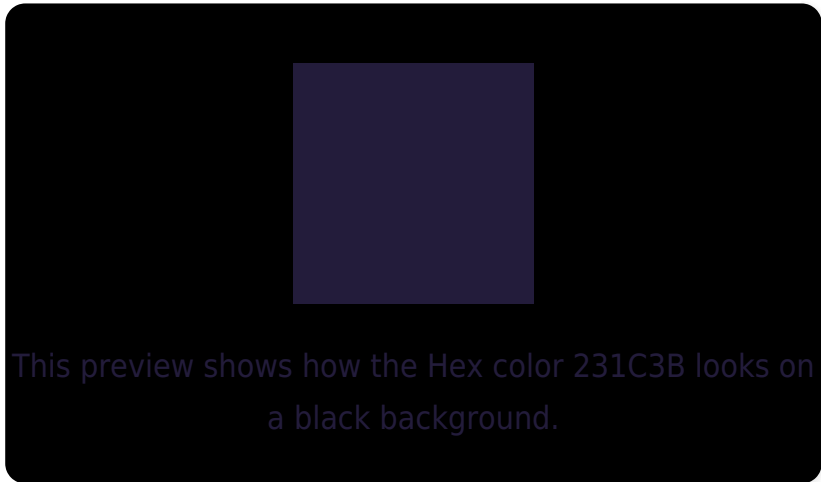
Large Text (above 18pt) WCAG AA ✓ Pass

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

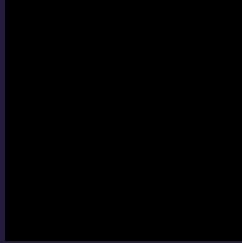
Any Text WCAG AA × Fail

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 231C3B Background



This preview shows how black text looks on a background with the Hex color 231C3B.



This preview shows how white text looks on a background with the Hex color 231C3B.

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
231C3B

Protanopia
10203F

Deuteranopia
0D213A



Tritanopia
1E2224

Trichromacy



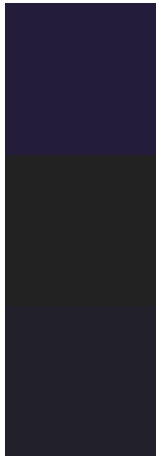
Original Color
231C3B

Protanomaly
171F3E

Deuteranomaly
151F3A

Tritanomaly
20202C

Monochromacy



Original Color
231C3B

Achromatopsia
222222

Achromatomaly
22202B

CSS Examples

Text

The CSS property to change the color of the text to Hex 231C3B 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 #231C3B looks like.

```
.text, #text, p{  
    color:#231C3B  
}
```

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 #231C3B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231C3B
}
```

Border

The CSS property to change the border of an element to Hex 231C3B is called "border". The border property can be set on classes, ids or directly on the HTML element.

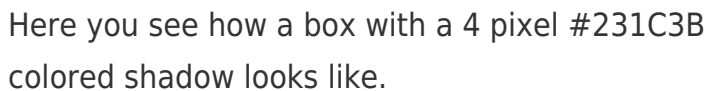
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#231C3B }
```

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

```
.border{ border-color:#231C3B }
```

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



Here you see how a box with a 4 pixel #231C3B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231C3B; -webkit-box-shadow:4px 4px  
4px 4px #231C3B; box-shadow:4px 4px 4px  
4px #231C3B }
```

Background

The CSS property to change the background color of an element to Hex 231C3B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231C3B }
```

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

```
.background{ background-color:#231C3B }
```

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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