

Converting Colors

Hex(231C33)

Have a look what the booklet for
Hex(231C33) contains.

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Color

Hex(231C33)

Conversions

Conversions Part 1

Format	Color
Hex	231C33
RGB	35, 28, 51
RGB Percent	14%, 11%, 20%
CMY	0.8627, 0.8902, 0.8000
CMYK	0.31, 0.45, 0.00, 0.80
HSL	258°, 29%, 15%
HSV	258°, 45%, 20%
XYZ	1.7059, 1.4268, 3.3175
YIQ	32.7150, -3.2110, 8.6370

Conversions

Conversions Part 2

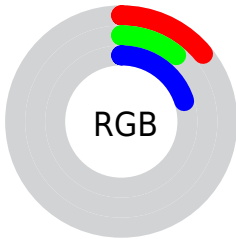
Format	Color
RYB	35, 28, 51
Decimal	2300979
CIELab	12.14, 9.64, -13.96
CIElCh	12, 16.962, 304.629
Yxy	1.4268, 0.2645, 0.2212
Android (android.graphics.Color)	4280491059 (0xFF231C33)
YUV	32.7150, 9.0145, 2.0039
Hunter-Lab	11.9451, 4.5885, -8.1048

Details

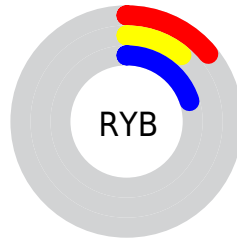
The Hex color **231C33** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2C331C**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **504762**, and **000001** is the 20% darker color. If you saturate the color by 10%, you get **1F1733**, and if you desaturate by 10%, it is **272133**.

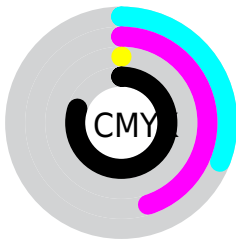
Distribution



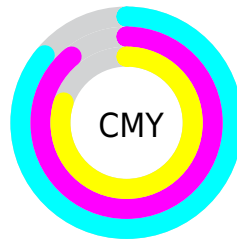
- Red (14%)
- Green (11%)
- Blue (20%)



- Red (14%)
- Yellow (11%)
- Blue (20%)



- Cyan (31%)
- Magenta (45%)
- Yellow (0%)
- Black (80%)



- Cyan (86%)
- Magenta (89%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color 231C33 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 231C33 by changing the saturation by 10% instead.

■ 231C33

■ 231C33

FFFFFF

■ 10021E

■ 504762

■ 000001

■ 685F7A

■ 000000

■ 827894

■ 9C92AF

■ B7ACCA

■ D2C7E6

■ EFE3FF

■ 231C33

■ 231C33

■ 1F1733

■ 272133

■ 1C1233

■ 2A2633

■ 180D33

■ 2E2B33

■ 150833

■ 313033

■ 110333

■ 353633

■ 100033

■ 383B33

■ 3C4033

■ 3F4533

■ 434A33

Harmonies

Analogous

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



0E2037



231C33



30182A

Triad

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



231C33



2F1B07



002621

Complementary

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



231C33



2C331C

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.



092515



231C33



262003

Square

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



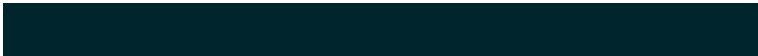
231C33



351813



192309



00252D

Rectangle

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



231C33



341622



192309



00261D

Sweetspot

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



231C33



3C3942



1C2C33



1D1C21



A1A1A1



212121

Same Dimension

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



231C33



291E42



2E1C33



18171A



1B0059



4200D9

Inverse Universe

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



331C2C



421E37



21331C



1A1719



59003E



D90097

Previews

White Background



This preview shows how the Hex color 231C33 looks on a white background.

Color Contrast Check

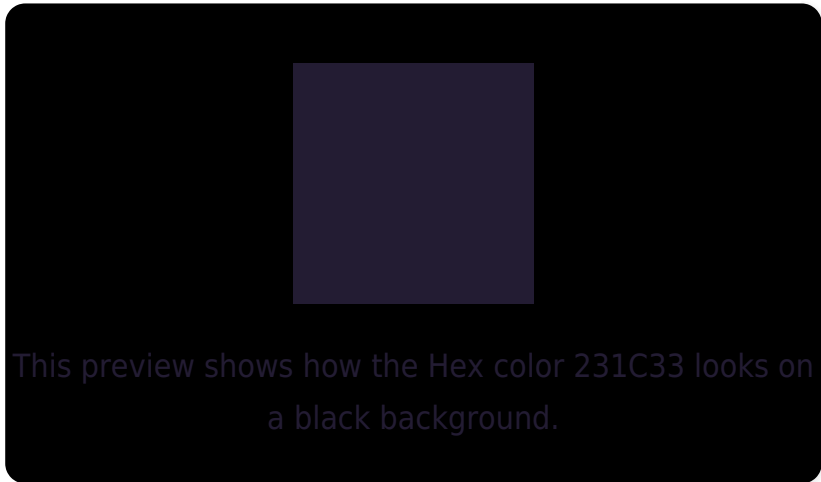
Large Text (above 18pt) WCAG AA ✓ Pass

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

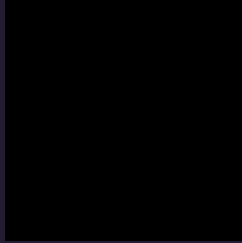
Any Text WCAG AA × Fail

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 231C33 Background



This preview shows how black text looks on a background with the Hex color 231C33.



This preview shows how white text looks on a background with the Hex color 231C33.

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
231C33

Protanopia
161F36

Deuteranopia
162032

Trichromacy



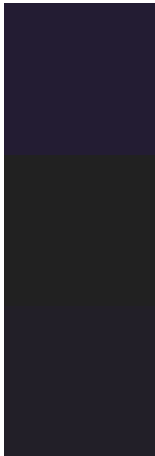
Original Color
231C33

Protanomaly
1B1E35

Deuteranomaly
1B1F32

Tritanomaly
211F28

Monochromacy



Original Color
231C33

Achromatopsia
212121

Achromatomaly
221F28

CSS Examples

Text

The CSS property to change the color of the text to Hex 231C33 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 #231C33 looks like.

```
.text, #text, p{  
    color:#231C33  
}
```

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 #231C33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231C33
}
```

Border

The CSS property to change the border of an element to Hex 231C33 is called "border". The border property can be set on classes, ids or directly on the HTML element.

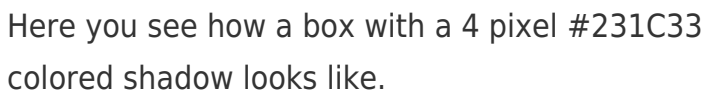
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#231C33 }
```

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

```
.border{ border-color:#231C33 }
```

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



Here you see how a box with a 4 pixel #231C33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231C33; -webkit-box-shadow:4px 4px  
4px 4px #231C33; box-shadow:4px 4px 4px  
4px #231C33 }
```

Background

The CSS property to change the background color of an element to Hex 231C33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231C33 }
```

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

```
.background{ background-color:#231C33 }
```

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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