

Converting Colors

Hex(231F2E)

Have a look what the booklet for
Hex(231F2E) contains.

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Color

Hex(231F2E)

Conversions

Conversions Part 1

Format	Color
Hex	231F2E
RGB	35, 31, 46
RGB Percent	14%, 12%, 18%
CMY	0.8627, 0.8784, 0.8196
CMYK	0.24, 0.33, 0.00, 0.82
HSL	256°, 19%, 15%
HSV	256°, 33%, 18%
XYZ	1.6763, 1.5346, 2.7926
YIQ	33.9060, -2.4310, 5.5130

Conversions

Conversions Part 2

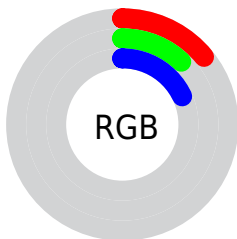
Format	Color
RYB	35, 31, 46
Decimal	2301742
CIELab	12.83, 5.90, -9.28
CIElCh	13, 10.997, 302.435
Yxy	1.5346, 0.2792, 0.2556
Android (android.graphics.Color)	4280491822 (0xFF231F2E)
YUV	33.9060, 5.9623, 0.9594
Hunter-Lab	12.3877, 2.4755, -4.6946

Details

The Hex color **231F2E** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2A2E1F**, and the grayscale version is **222222**.

A 20% lighter version of the original color is **504B5C**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **201A2E**, and if you desaturate by 10%, it is **26242E**.

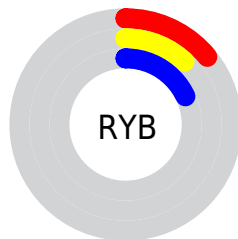
Distribution



Red (14%)

Green (12%)

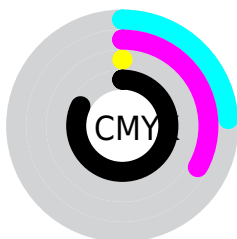
Blue (18%)



Red (14%)

Yellow (12%)

Blue (18%)

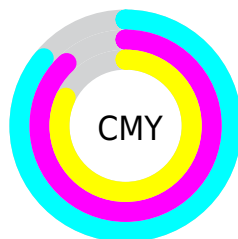


Cyan (24%)

Magenta (33%)

Yellow (0%)

Black (82%)



Cyan (86%)

Magenta (88%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Hex color 231F2E 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 231F2E by changing the saturation by 10% instead.

■ 231F2E

■ 231F2E

FFFFFF

■ 0E071A

■ 504B5C

■ 000000

■ 686374

■ 817B8E

■ 9B95A8

■ B6B0C4

■ D1CBE0

■ EEE7FC

■ 231F2E

■ 231F2E

■ 201A2E

■ 26242E

■ 1C162E

■ 2A282E

■ 19112E

■ 2D2D2E

■ 160D2E

■ 30312E

■ 12082E

■ 34362E

■ 0F032E

■ 373B2E

■ 0C002E

■ 3B3F2E

■ 3E442E

■ 41482E

Harmonies

Analogous

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



182230



231F2E



2B1D28

Triad

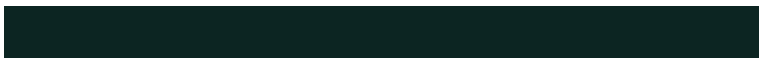
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



231F2E



2C1E14



0C2522

Complementary

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



231F2E



2A2E1F

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.



15251A



231F2E



262112

Square

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



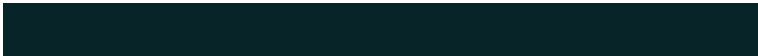
231F2E



301C19



1E2314



072529

Rectangle

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



231F2E



2F1C23



1E2314



0F251F

Sweetspot

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



231F2E



36353B



1F2A2E



1C1B1F



9E9E9E



1F1F1F

Same Dimension

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



231F2E



2A243B



2B1F2E



151517



170057



3900D6

Inverse Universe

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



2E1F2A



3B2435



232E1F



171516



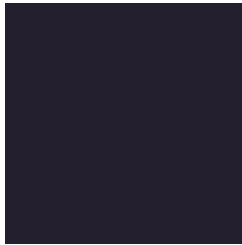
570040



D6009D

Previews

White Background



This preview shows how the Hex color 231F2E looks on a white background.

Color Contrast Check

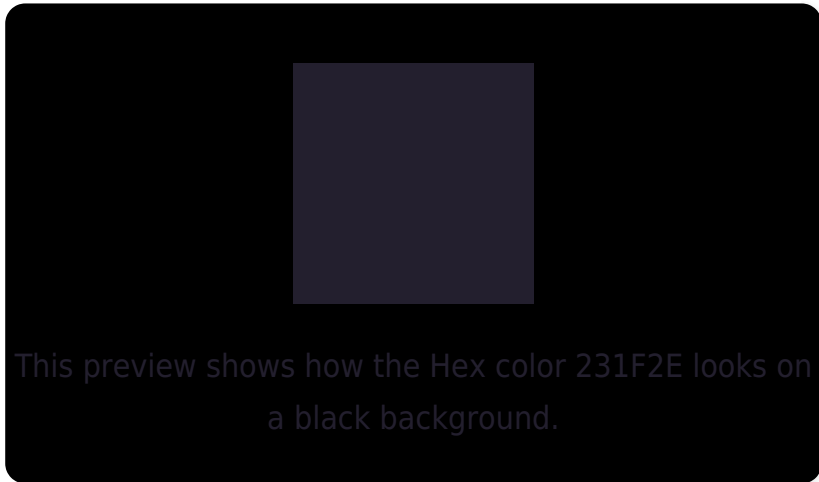
Large Text (above 18pt) WCAG AA ✓ Pass

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

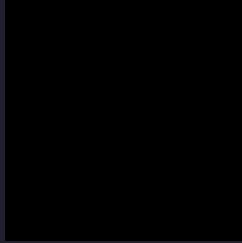
Any Text WCAG AA × Fail

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 231F2E Background



This preview shows how black text looks on a background with the Hex color 231F2E.



This preview shows how white text looks on a background with the Hex color 231F2E.

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
231F2E

Protanopia
1D212F

Deuteranopia
1D212E



Tritanopia
212124

Trichromacy



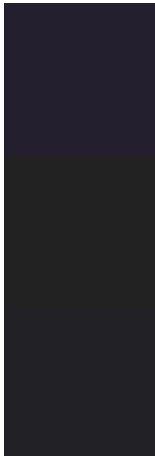
Original Color
231F2E

Protanomaly
1F202F

Deuteranomaly
1F202E

Tritanomaly
222028

Monochromacy



Original Color
231F2E

Achromatopsia
222222

Achromatomaly
222126

CSS Examples

Text

The CSS property to change the color of the text to Hex 231F2E 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 #231F2E looks like.

```
.text, #text, p{  
    color:#231F2E  
}
```

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 #231F2E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231F2E
}
```

Border

The CSS property to change the border of an element to Hex 231F2E is called "border". The border property can be set on classes, ids or directly on the HTML element.

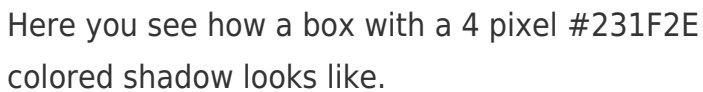
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#231F2E }
```

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

```
.border{ border-color:#231F2E }
```

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



Here you see how a box with a 4 pixel #231F2E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231F2E; -webkit-box-shadow:4px 4px  
4px 4px #231F2E; box-shadow:4px 4px 4px  
4px #231F2E }
```

Background

The CSS property to change the background color of an element to Hex 231F2E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231F2E }
```

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

```
.background{ background-color:#231F2E }
```

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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