

# Converting Colors

Hex(281E1E)

Have a look what the booklet for  
Hex(281E1E) contains.

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# Color

**Hex(281E1E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	281E1E
RGB	40, 30, 30
RGB Percent	16%, 12%, 12%
CMY	0.8431, 0.8824, 0.8824
CMYK	0.00, 0.25, 0.25, 0.84
HSL	0°, 14%, 14%
HSV	0°, 25%, 16%
XYZ	1.5737, 1.4734, 1.4297
YIQ	32.9900, 5.9600, 2.1200

# Conversions

## Conversions Part 2

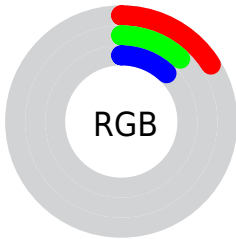
<b>Format</b>	<b>Color</b>
<b>RYB</b>	40, 30, 30
Decimal	2629150
CIELab	12.44, 4.86, 1.85
CIELCh	12, 5.199, 20.806
Yxy	1.4734, 0.3515, 0.3291
Android (android.graphics.Color)	4280819230 (0xFF281E1E)
YUV	32.9900, -1.4741, 6.1478
Hunter-Lab	12.1384, 1.8996, 1.5132

# Details

The Hex color **281E1E** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1E2828**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **554A4A**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **281A1A**, and if you desaturate by 10%, it is **282222**.

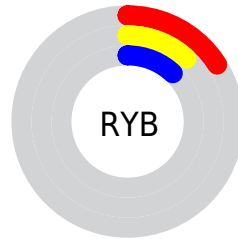
# Distribution



Red (16%)

Green (12%)

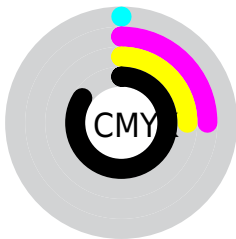
Blue (12%)



Red (16%)

Yellow (12%)

Blue (12%)

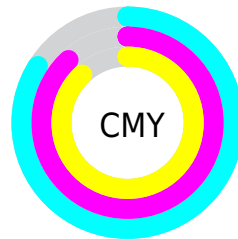


Cyan (0%)

Magenta (25%)

Yellow (25%)

Black (84%)



Cyan (84%)

Magenta (88%)

Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 281E1E 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 281E1E by changing the saturation by 10% instead.



■ 281E1E

■ 281E1E

FFFFFF

■ 140505

■ 554A4A

■ 000000

■ 6E6161

■ 877A7A

■ A19494

■ BCAFAE

■ D8CACA

■ F5E6E6

■ 281E1E

■ 281E1E

■ 281A1A

■ 282222

■ 281616

■ 282626

■ 281212

■ 282A2A

■ 280E0E

■ 282E2E

■ 280A0A

■ 283232

■ 280606

■ 283636

■ 280202

■ 283A3A

■ 280000

■ 283E3E

■ 284242

# Harmonies

## Analogous

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



271E22



281E1E



271F1B

# Triad

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



281E1E



1C221C



1B2127

# Complementary

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



281E1E



1E2828

# 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.



182226



281E1E



19221F

# Square

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



281E1E



21211A



172223



202027

# Rectangle

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



281E1E



251F1A



172223



1A2127



# Sweetspot

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



281E1E



332F2F



281E28



1A1717



999999



1A1A1A



# Same Dimension

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



281E1E



332424



28231E



141212



540000



D40000



# Inverse Universe

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



1E2828



243333



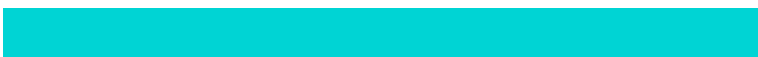
1E2328



121414



005454

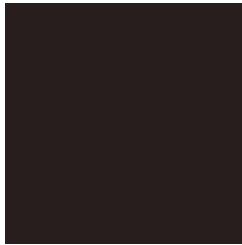


00D4D4



# Previews

## White Background



This preview shows how the Hex color 281E1E looks on a white background.

## Color Contrast Check

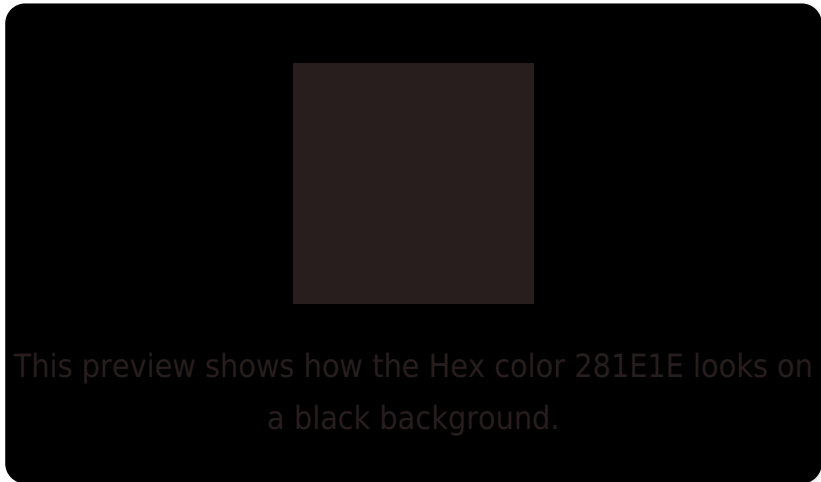
Large Text (above 18pt) WCAG AA ✓ Pass

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

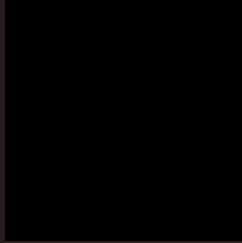
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 281E1E Background



This preview shows how black text looks on a background with the Hex color 281E1E.

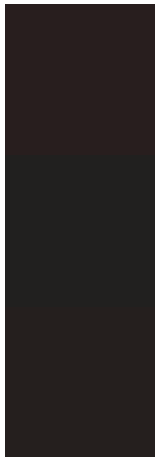


This preview shows how white text looks on a background with the Hex color 281E1E.

# 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**  
281E1E

**Protanopia**  
21201F

**Deuteranopia**  
251F1E



**Tritanopia**  
281E20

# Trichromacy



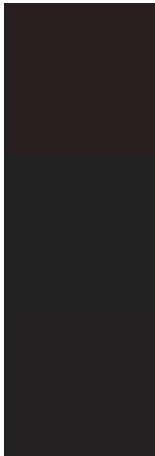
**Original Color**  
281E1E

**Protanomaly**  
241F1F

**Deuteranomaly**  
261F1E

**Tritanomaly**  
281E1F

# Monochromacy



**Original Color**  
281E1E

**Achromatopsia**  
212121

**Achromatomaly**  
242020

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 281E1E 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 #281E1E looks like.

```
.text, #text, p{  
    color:#281E1E  
}
```

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 #281E1E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #281E1E
}
```

## Border

The CSS property to change the border of an element to Hex 281E1E is called "border". The border property can be set on classes, ids or directly on the HTML element.

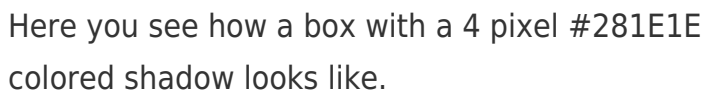
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#281E1E }
```

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

```
.border{ border-color:#281E1E }
```

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



Here you see how a box with a 4 pixel #281E1E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #281E1E; -webkit-box-shadow:4px 4px  
4px 4px #281E1E; box-shadow:4px 4px 4px  
4px #281E1E }
```

# Background

The CSS property to change the background color of an element to Hex 281E1E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#281E1E }
```

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

```
.background{ background-color:#281E1E }
```

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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