

# Converting Colors

Hex(28231E)

Have a look what the booklet for  
Hex(28231E) contains.

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# Color

**Hex(28231E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28231E
RGB	40, 35, 30
RGB Percent	16%, 14%, 12%
CMY	0.8431, 0.8627, 0.8824
CMYK	0.00, 0.13, 0.25, 0.84
HSL	30°, 14%, 14%
HSV	30°, 25%, 16%
XYZ	1.7104, 1.7469, 1.4753
YIQ	35.9250, 4.5850, -0.4950

# Conversions

## Conversions Part 2

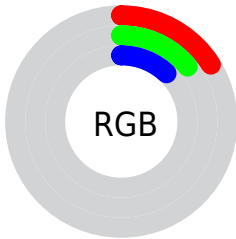
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	40, 40, 30
Decimal	2630430
CIE Lab	14.10, 1.29, 4.21
CIE LCh	14, 4.407, 72.969
Yxy	1.7469, 0.3468, 0.3542
Android (android.graphics.Color)	4280820510 (0xFF28231E)
YUV	35.9250, -2.9210, 3.5738
Hunter-Lab	13.2171, -0.0299, 2.6338

# Details

The Hex color **28231E** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1E2328**, and the grayscale version is **242424**.

A 20% lighter version of the original color is **554F4A**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **28211A**, and if you desaturate by 10%, it is **282522**.

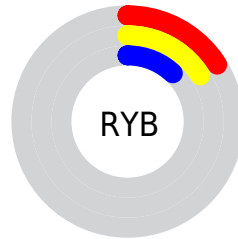
# Distribution



Red (16%)

Green (14%)

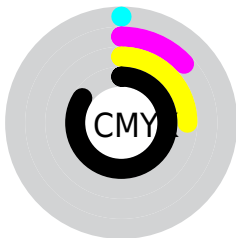
Blue (12%)



Red (16%)

Yellow (16%)

Blue (12%)

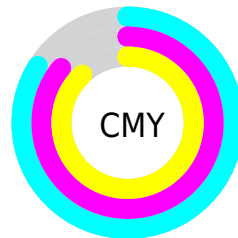


Cyan (0%)

Magenta (13%)

Yellow (25%)

Black (84%)



Cyan (84%)

Magenta (86%)

Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28231E 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 28231E by changing the saturation by 10% instead.



■ 28231E

■ 28231E

FFFFFF

■ 140D05

■ 554F4A

■ 000000

■ 6D6761

■ 87807A

■ A19A94

■ BCB5AF

■ D8D1CA

■ F4EDE6

■ 28231E

■ 28231E

■ 28211A

■ 282522

■ 281F16

■ 282726

■ 281D12

■ 28292A

■ 281B0E

■ 282B2E

■ 28190A

■ 282D32

■ 281706

■ 282F36

■ 281502

■ 28313A

■ 281400

■ 28333E

■ 283542

# Harmonies

## Analogous

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



2A2220



28231E



25241E

# Triad

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



28231E



1C2625



262328

# Complementary

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



28231E



1E2328

# 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.



22242A



28231E



1C2528

# Square

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



28231E



1E2522



1F252A



292226

# Rectangle

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



28231E



23251F



1F252A



252329



# Sweetspot

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



28231E



33312F



281E23



1A1817



999999



1A1A1A



# Same Dimension

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



28231E



332B24



28281E



141312



542A00



D46A00



# Inverse Universe

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



1E2328



242B33



1E1E28



121314



002A54

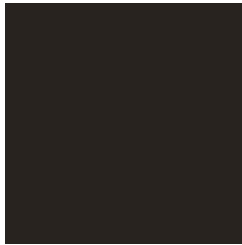


006AD4



# Previews

## White Background



This preview shows how the Hex color 28231E looks on a white background.

## Color Contrast Check

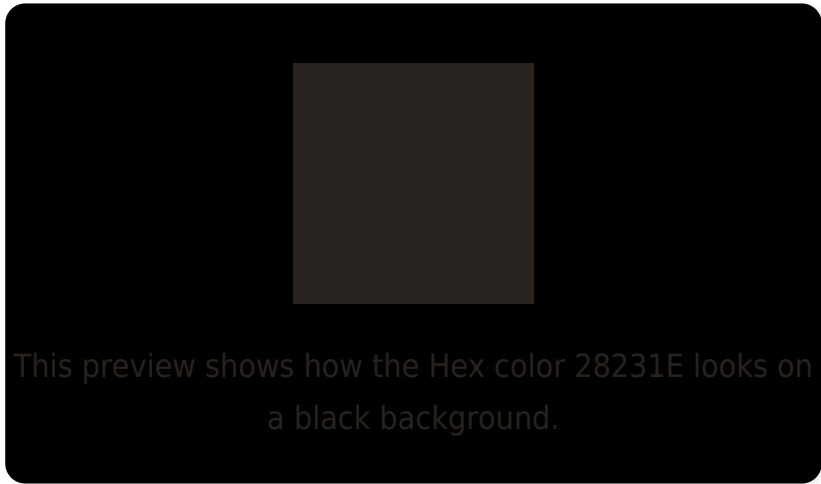
Large Text (above 18pt) WCAG AA ✓ Pass

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

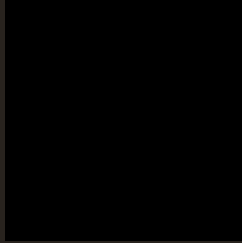
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

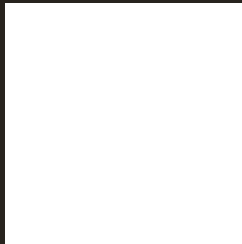
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 28231E Background



This preview shows how black text looks on a background with the Hex color 28231E.

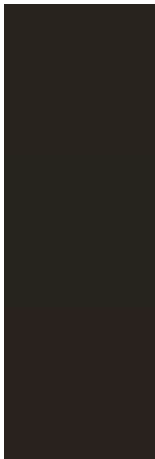


This preview shows how white text looks on a background with the Hex color 28231E.

# 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**  
28231E

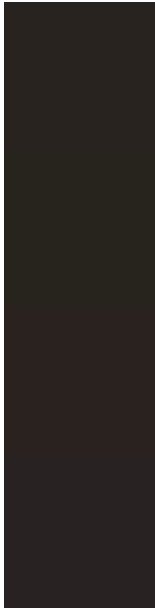
**Protanopia**  
26241E

**Deuteranopia**  
29221E



**Tritanopia**  
292225

# Trichromacy



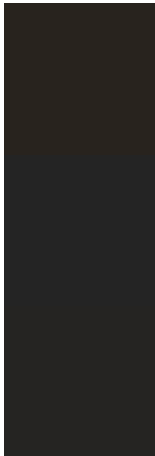
**Original Color**  
28231E

**Protanomaly**  
27241E

**Deuteranomaly**  
29221E

**Tritanomaly**  
292222

# Monochromacy



**Original Color**  
28231E

**Achromatopsia**  
242424

**Achromatomaly**  
252422

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28231E 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 #28231E looks like.

```
.text, #text, p{  
    color:#28231E  
}
```

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 #28231E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28231E
}
```

## Border

The CSS property to change the border of an element to Hex 28231E is called "border". The border property can be set on classes, ids or directly on the HTML element.

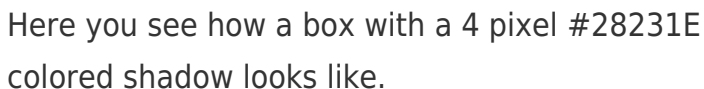
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#28231E }
```

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

```
.border{ border-color:#28231E }
```

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



Here you see how a box with a 4 pixel #28231E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28231E; -webkit-box-shadow:4px 4px  
4px 4px #28231E; box-shadow:4px 4px 4px  
4px #28231E }
```

# Background

The CSS property to change the background color of an element to Hex 28231E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28231E }
```

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

```
.background{ background-color:#28231E }
```

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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