

# Converting Colors

Hex(28281F)

Have a look what the booklet for  
Hex(28281F) contains.

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# Color

**Hex(28281F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28281F
RGB	40, 40, 31
RGB Percent	16%, 16%, 12%
CMY	0.8431, 0.8431, 0.8784
CMYK	0.00, 0.00, 0.22, 0.84
HSL	60°, 13%, 14%
HSV	60°, 22%, 16%
XYZ	1.8812, 2.0676, 1.5963
YIQ	38.9740, 2.8890, -2.7990

# Conversions

## Conversions Part 2

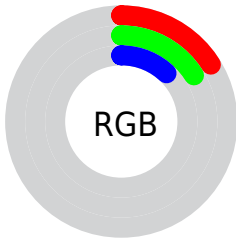
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	31, 40, 31
Decimal	2631711
CIE Lab	15.84, -1.98, 5.94
CIE LCh	16, 6.267, 108.462
Yxy	2.0676, 0.3393, 0.3729
Android (android.graphics.Color)	4280821791 (0xFF28281F)
YUV	38.9740, -3.9312, 0.8998
Hunter-Lab	14.3793, -1.8112, 3.4836

# Details

The Hex color **28281F** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1F1F28**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **55554B**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **28281B**, and if you desaturate by 10%, it is **282823**.

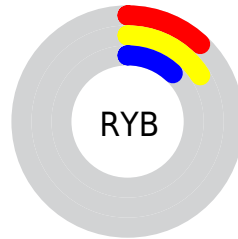
# Distribution



Red (16%)

Green (16%)

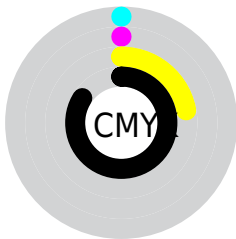
Blue (12%)



Red (12%)

Yellow (16%)

Blue (12%)

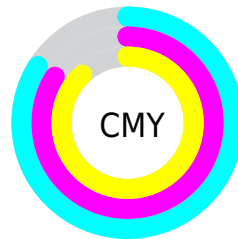


Cyan (0%)

Magenta (0%)

Yellow (22%)

Black (84%)



Cyan (84%)

Magenta (84%)

Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28281F 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 28281F by changing the saturation by 10% instead.





28281F



28281F

FFFFFF



141407



55554B



000000



6D6D63



87867B



A1A195



BCBCB0



D8D7CB



F4F4E7



28281F



28281F

■ 28281B

■ 282823

■ 282817

■ 282827

■ 282813

■ 28282B

■ 28280F

■ 28282F

■ 28280B

■ 282833

■ 282807

■ 282837

■ 282803

■ 28283B

■ 282800

■ 28283F

■ 282843

# Harmonies

## Analogous

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



2D271F



28281F



232921

# Triad

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



28281F



1C292E



2F2529

# Complementary

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



28281F



1F1F28

# 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.



2C252D



28281F



202830

# Square

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



28281F



1C2A2A



262730



312425

# Rectangle

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



28281F



202A24



262730



2E252B



# Sweetspot

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



28281F



33332F



281F1F



1A1A17



999999



1A1A1A



# Same Dimension

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



28281F



333325



23281F



141412



545400



D4D400



# Inverse Universe

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



1F1F28



252533



231F28



121214



000054

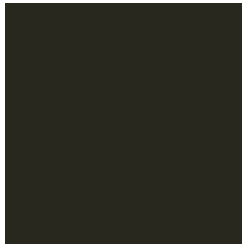


0000D4



# Previews

## White Background



This preview shows how the Hex color 28281F looks on a white background.

## Color Contrast Check

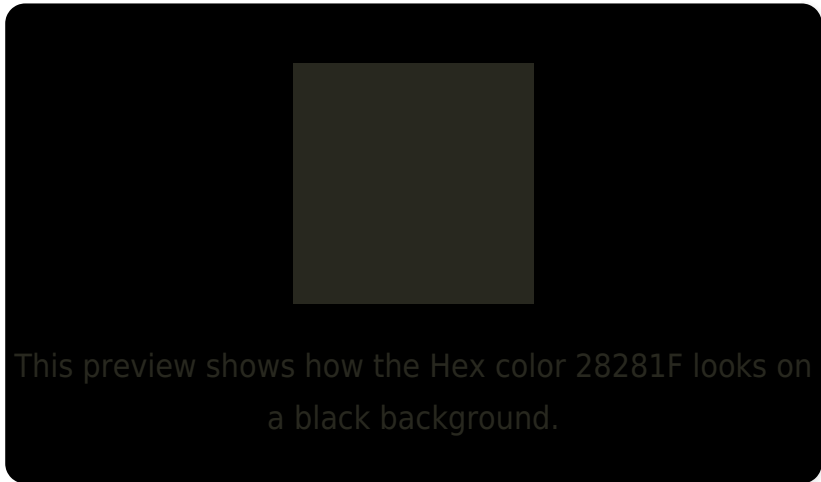
Large Text (above 18pt) WCAG AA ✓ Pass

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

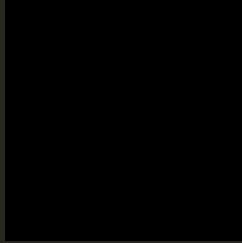
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 28281F Background



This preview shows how black text looks on a background with the Hex color 28281F.

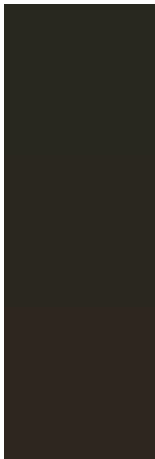


This preview shows how white text looks on a background with the Hex color 28281F.

# 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**  
28281F

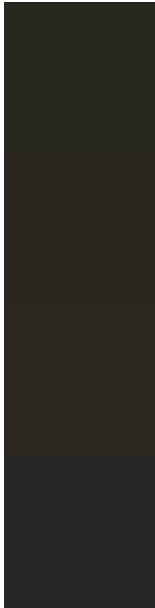
**Protanopia**  
2A271F

**Deuteranopia**  
2E261F



**Tritanopia**  
29272A

# Trichromacy



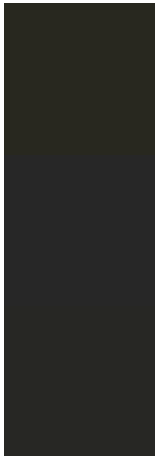
**Original Color**  
28281F

**Protanomaly**  
29271F

**Deuteranomaly**  
2C271F

**Tritanomaly**  
292726

# Monochromacy



**Original Color**  
28281F

**Achromatopsia**  
272727

**Achromatomaly**  
272724

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28281F 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 #28281F looks like.

```
.text, #text, p{  
    color:#28281F  
}
```

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 #28281F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28281F
}
```

## Border

The CSS property to change the border of an element to Hex 28281F is called "border". The border property can be set on classes, ids or directly on the HTML element.

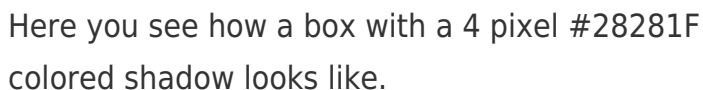
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#28281F }
```

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

```
.border{ border-color:#28281F }
```

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



Here you see how a box with a 4 pixel #28281F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28281F; -webkit-box-shadow:4px 4px  
4px 4px #28281F; box-shadow:4px 4px 4px  
4px #28281F }
```

# Background

The CSS property to change the background color of an element to Hex 28281F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28281F }
```

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

```
.background{ background-color:#28281F }
```

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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