

# Converting Colors

Hex(27231B)

Have a look what the booklet for  
Hex(27231B) contains.

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# Color

Hex(27231B)

# Conversions

## Conversions Part 1

Format	Color
Hex	27231B
RGB	39, 35, 27
RGB Percent	15%, 14%, 11%
CMY	0.8471, 0.8627, 0.8941
CMYK	0.00, 0.10, 0.31, 0.85
HSL	40°, 18%, 13%
HSV	40°, 31%, 15%
XYZ	1.6356, 1.7125, 1.2813
YIQ	35.2840, 4.9520, -1.6400

# Conversions

## Conversions Part 2

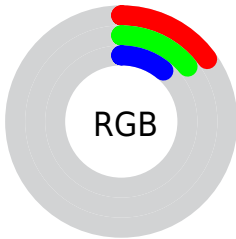
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 39, 27
Decimal	2564891
CIE Lab	13.90, 0.21, 6.06
CIE LCh	14, 6.065, 88.045
Yxy	1.7125, 0.3533, 0.3699
Android (android.graphics.Color)	4280754971 (0xFF27231B)
YUV	35.2840, -4.0840, 3.2589
Hunter-Lab	13.0864, -0.5918, 3.3555

# Details

The Hex color **27231B** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1B1F27**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **544F46**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **272217**, and if you desaturate by 10%, it is **27241F**.

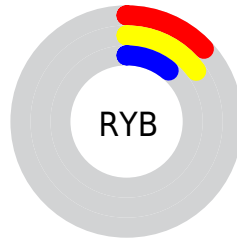
# Distribution



Red (15%)

Green (14%)

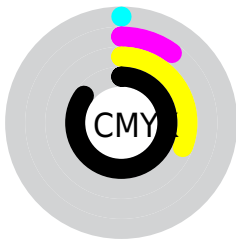
Blue (11%)



Red (13%)

Yellow (15%)

Blue (11%)

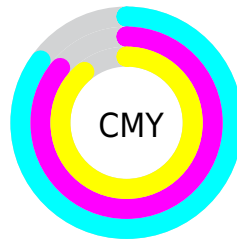


Cyan (0%)

Magenta (10%)

Yellow (31%)

Black (85%)



Cyan (85%)

Magenta (86%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 27231B 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 27231B by changing the saturation by 10% instead.



■ 27231B

■ 27231B

FFFFFF

■ 130D00

■ 544F46

■ 000000

■ 6C675E

■ 868076

■ A09A90

■ BBB5AB

■ D7D1C6

■ F3EDE2

■ 27231B

■ 27231B

■ 272217

■ 27241F

■ 272013

■ 272623

■ 271F0F

■ 272727

■ 271E0B

■ 27282B

■ 271D08

■ 272A2F

■ 271B04

■ 272B32

■ 271A00

■ 272C36

■ 272D3A

■ 272F3E

# Harmonies

## Analogous

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



2B221C



27231B



22241C

# Triad

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



27231B



182627



292128

# Complementary

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



27231B



1B1F27

# 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.



24222B



27231B



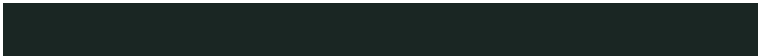
1A252A

# Square

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



27231B



1A2623



1E242C



2C2024

# Rectangle

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



27231B



1F251E



1E242C



272229



# Sweetspot

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



27231B



33312E



271B1F



1A1917



999999



1A1A1A



# Same Dimension

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



27231B



332D20



25271B



141412



543800



D48D00



# Inverse Universe

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



1B1F27



202633



1D1B27



121314



001C54

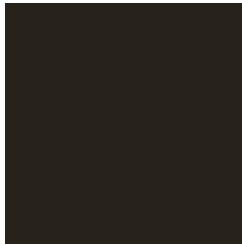


0047D4



# Previews

## White Background



This preview shows how the Hex color 27231B looks on a white background.

## Color Contrast Check

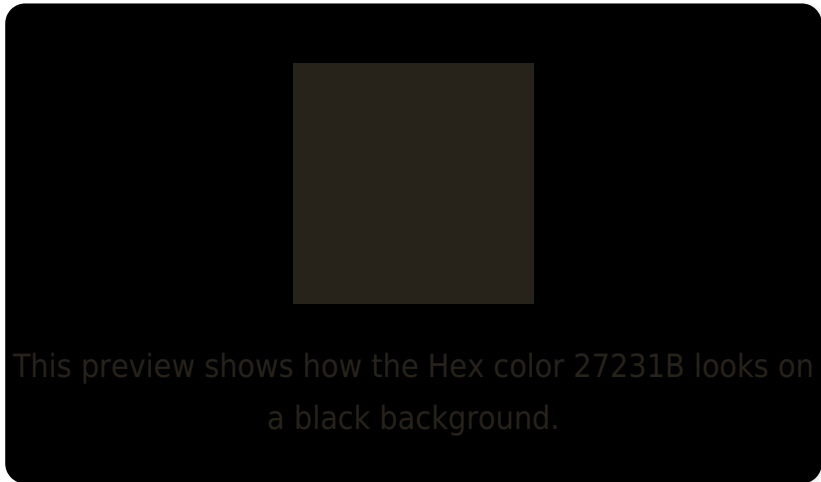
Large Text (above 18pt) WCAG AA ✓ Pass

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

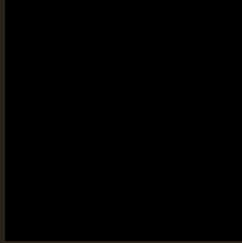
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 27231B Background



This preview shows how black text looks on a background with the Hex color 27231B.



This preview shows how white text looks on a background with the Hex color 27231B.

# 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**  
27231B

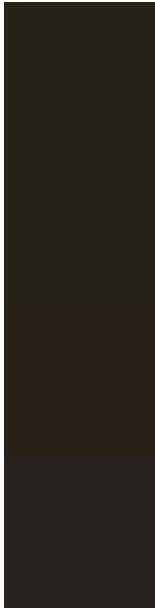
**Protanopia**  
26231B

**Deuteranopia**  
2A221B



**Tritanopia**  
282224

# Trichromacy



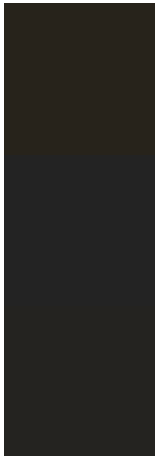
**Original Color**  
27231B

**Protanomaly**  
26231B

**Deuteranomaly**  
29221B

**Tritanomaly**  
282221

# Monochromacy



**Original Color**  
27231B

**Achromatopsia**  
232323

**Achromatomaly**  
242320

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 27231B 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 #27231B looks like.

```
.text, #text, p{  
    color:#27231B  
}
```

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 #27231B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #27231B
}
```

## Border

The CSS property to change the border of an element to Hex 27231B is called "border". The border property can be set on classes, ids or directly on the HTML element.

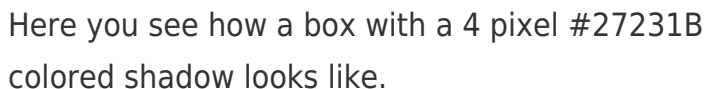
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#27231B }
```

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

```
.border{ border-color:#27231B }
```

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



Here you see how a box with a 4 pixel #27231B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #27231B; -webkit-box-shadow:4px 4px  
4px 4px #27231B; box-shadow:4px 4px 4px  
4px #27231B }
```

# Background

The CSS property to change the background color of an element to Hex 27231B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#27231B }
```

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

```
.background{ background-color:#27231B }
```

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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