

# Converting Colors

Hex(3D221B)

Have a look what the booklet for  
Hex(3D221B) contains.

<b>Hex(3D221B)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(3D221B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3D221B
RGB	61, 34, 27
RGB Percent	24%, 13%, 11%
CMY	0.7608, 0.8667, 0.8941
CMYK	0.00, 0.44, 0.56, 0.76
HSL	12°, 39%, 17%
HSV	12°, 56%, 24%
XYZ	2.6943, 2.2153, 1.3225
YIQ	41.2750, 18.3390, 3.5470

# Conversions

## Conversions Part 2

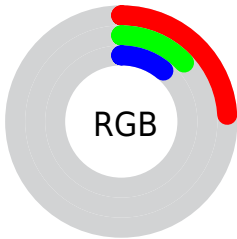
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 36, 27
Decimal	4006427
CIELab	16.58, 12.03, 10.20
CIELCh	17, 15.769, 40.287
Yxy	2.2153, 0.4323, 0.3555
Android (android.graphics.Color)	4282196507 (0xFF3D221B)
YUV	41.2750, -7.0376, 17.2988
Hunter-Lab	14.8838, 6.2660, 5.1505

# Details

The Hex color **3D221B** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **1B363D**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **6E4F46**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **3D1D15**, and if you desaturate by 10%, it is **3D2721**.

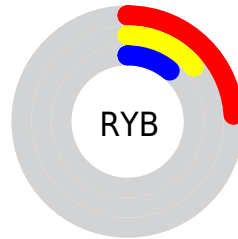
# Distribution



Red (24%)

Green (13%)

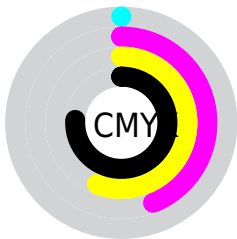
Blue (11%)



Red (24%)

Yellow (14%)

Blue (11%)

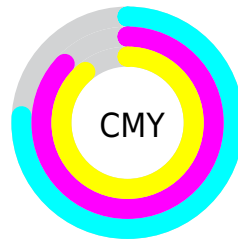


Cyan (0%)

Magenta (44%)

Yellow (56%)

Black (76%)



Cyan (76%)

Magenta (87%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3D221B 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 3D221B by changing the saturation by 10% instead.





3D221B



3D221B

FFFFFF



270D00



6E4F46



000000



88675E



A38077



BE9A90



DAB5AB



F7D0C6



FFEDE2



3D221B



3D221B

■ 3D1D15

■ 3D2721

■ 3D180F

■ 3D2C27

■ 3D1309

■ 3D312D

■ 3D0F03

■ 3D3533

■ 3D0D00

■ 3D3A3A

■ 3D3F40

■ 3D4446

■ 3D494C

■ 3D4E52

# Harmonies

## Analogous

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



3F2025



3D221B



362614

# Triad

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



3D221B



112E21



1F293F

# Complementary

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



3D221B



1B363D

# 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.



082C3E



3D221B



002F2D

# Square

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



3D221B



202D17



002E37



2F253A

# Rectangle

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



3D221B



302812



002E37



182A3F



# Sweetspot

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



3D221B



4F4442



3D1B36



292221



A8A8A8



292929



# Same Dimension

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



3D221B



4F251A



3D331B



1F1C1C



5E1300



DE2E00



# Inverse Universe

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



1B363D



1A444F



1B253D



1C1E1F



004B5E

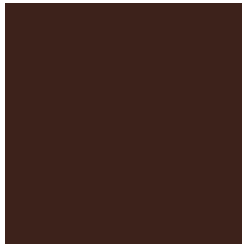


00B0DE



# Previews

## White Background



This preview shows how the Hex color 3D221B looks on a white background.

## Color Contrast Check

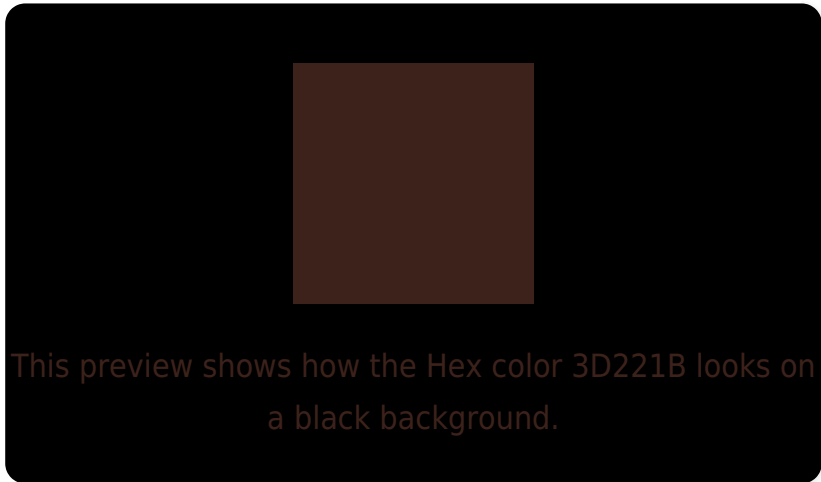
Large Text (above 18pt) WCAG AA ✓ Pass

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

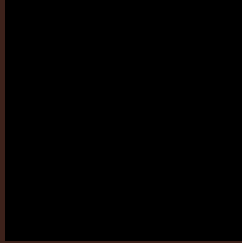
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3D221B Background



This preview shows how black text looks on a background with the Hex color 3D221B.

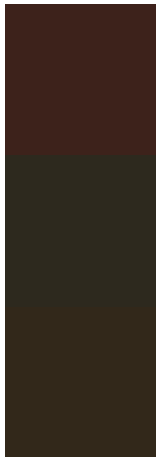


This preview shows how white text looks on a background with the Hex color 3D221B.

# 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



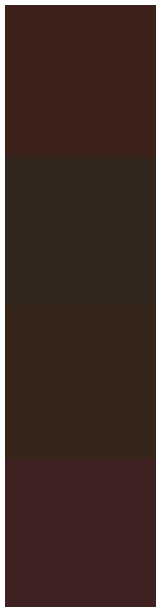
**Original Color**  
3D221B

**Protanopia**  
2D291E

**Deuteranopia**  
32281A



# Trichromacy



**Original Color**

3D221B

**Protanomaly**

33261D

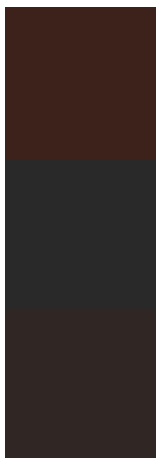
**Deuteranomaly**

36261A

**Tritanomaly**

3E2120

# Monochromacy



**Original Color**

3D221B

**Achromatopsia**

292929

**Achromatomaly**

302624

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3D221B 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 #3D221B looks like.

```
.text, #text, p{  
    color:#3D221B  
}
```

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 #3D221B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3D221B
}
```

## Border

The CSS property to change the border of an element to Hex 3D221B is called "border". The border property can be set on classes, ids or directly on the HTML element.

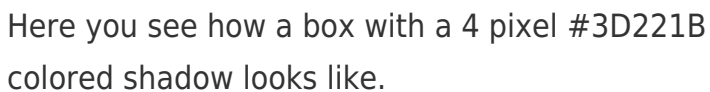
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#3D221B }
```

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

```
.border{ border-color:#3D221B }
```

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



Here you see how a box with a 4 pixel #3D221B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3D221B; -webkit-box-shadow:4px 4px  
4px 4px #3D221B; box-shadow:4px 4px 4px  
4px #3D221B }
```

# Background

The CSS property to change the background color of an element to Hex 3D221B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3D221B }
```

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

```
.background{ background-color:#3D221B }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor