

# Converting Colors

Hex(42221D)

Have a look what the booklet for  
Hex(42221D) contains.

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**Color**

**Hex(42221D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42221D
RGB	66, 34, 29
RGB Percent	26%, 13%, 11%
CMY	0.7412, 0.8667, 0.8863
CMYK	0.00, 0.48, 0.56, 0.74
HSL	8°, 39%, 19%
HSV	8°, 56%, 26%
XYZ	3.0406, 2.3910, 1.4637
YIQ	42.9980, 20.6770, 5.2290

# Conversions

## Conversions Part 2

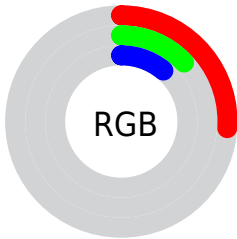
Format	Color
<a href="#">RYB</a>	<a href="#">66, 35, 29</a>
Decimal	<a href="#">4334109</a>
CIELab	<a href="#">17.42, 14.68, 10.06</a>
CIELCh	<a href="#">17, 17.797, 34.434</a>
Yxy	<a href="#">2.3910, 0.4410, 0.3468</a>
Android (android.graphics.Color)	<a href="#">4282524189 (0xFF42221D)</a>
YUV	<a href="#">42.9980, -6.9010, 20.1728</a>
Hunter-Lab	<a href="#">15.4629, 8.0395, 5.2119</a>

# Details

The Hex color **42221D** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **1D3D42**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **744F49**, and **090000** is the 20% darker color. If you saturate the color by 10%, you get **421C16**, and if you desaturate by 10%, it is **422824**.

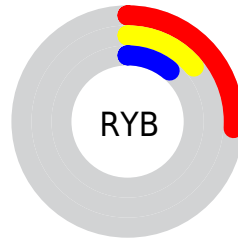
# Distribution



Red (26%)

Green (13%)

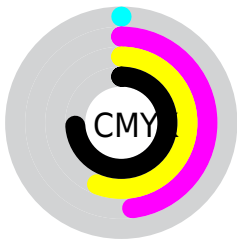
Blue (11%)



Red (26%)

Yellow (14%)

Blue (11%)

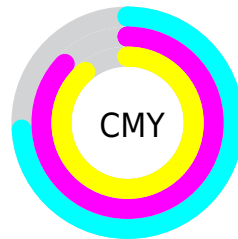


Cyan (0%)

Magenta (48%)

Yellow (56%)

Black (74%)



Cyan (74%)

Magenta (87%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42221D 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 42221D by changing the saturation by 10% instead.





42221D



42221D

FFFFFF



2B0D03



744F49



090000



8E6760



000000



A98079



C59A93



E1B5AD



FED1C9



FFEDE5



42221D



42221D

■ 421C16

■ 422824

■ 421710

■ 422D2A

■ 421109

■ 423331

■ 420B03

■ 423937

■ 420900

■ 423F3E

■ 424445

■ 424A4B

■ 425052

■ 425558

# Harmonies

## Analogous

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



432029



42221D



3B2614

# Triad

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



42221D



13301F



192B44

# Complementary

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



42221D



1D3D42

# 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.



002F42



42221D



00312C

# Square

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



42221D



232E15



003139



2E2740

# Rectangle

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



42221D



352911



003139



102D44



# Sweetspot

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



42221D



574A48



421D3D



2B2423



ABABAB



2B2B2B



# Same Dimension

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



42221D



57241D



42341D



211E1E



610D00



E01E00



# Inverse Universe

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



1D3D42



1D4F57



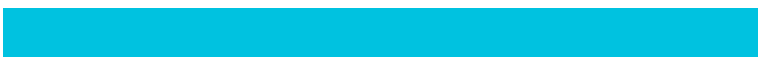
1D2B42



1E2121



005461



00C2E0



# Previews

## White Background



This preview shows how the Hex color 42221D 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 42221D Background



This preview shows how black text looks on a background with the Hex color 42221D.

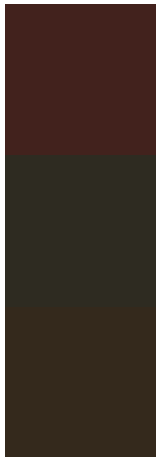


This preview shows how white text looks on a background with the Hex color 42221D.

# 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**  
42221D

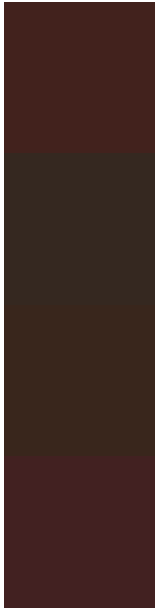
**Protanopia**  
2E2B21

**Deuteranopia**  
34291C



**Tritanopia**  
422123

# Trichromacy



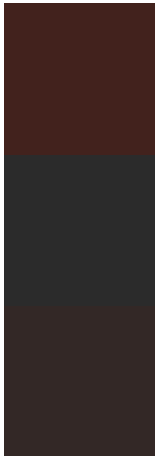
**Original Color**  
42221D

**Protanomaly**  
352820

**Deuteranomaly**  
39261C

**Tritanomaly**  
422121

# Monochromacy



**Original Color**  
42221D

**Achromatopsia**  
2B2B2B

**Achromatomaly**  
332826

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42221D 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 #42221D looks like.

```
.text, #text, p{  
    color:#42221D  
}
```

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 #42221D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42221D
}
```

## Border

The CSS property to change the border of an element to Hex 42221D 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
#42221D }
```

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

```
.border{ border-color:#42221D }
```

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

Here you see how a box with a 4 pixel #42221D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42221D; -webkit-box-shadow:4px 4px  
4px 4px #42221D; box-shadow:4px 4px 4px  
4px #42221D }
```

# Background

The CSS property to change the background color of an element to Hex 42221D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42221D }
```

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

```
.background{ background-color:#42221D }
```

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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