

# Converting Colors

Hex(2D2210)

Have a look what the booklet for  
Hex(2D2210) contains.

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# Color

**Hex(2D2210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D2210
RGB	45, 34, 16
RGB Percent	18%, 13%, 6%
CMY	0.8235, 0.8667, 0.9373
CMYK	0.00, 0.24, 0.64, 0.82
HSL	37°, 48%, 12%
HSV	37°, 64%, 18%
XYZ	1.7477, 1.7394, 0.7338
YIQ	35.2370, 12.3340, -3.2660

# Conversions

## Conversions Part 2

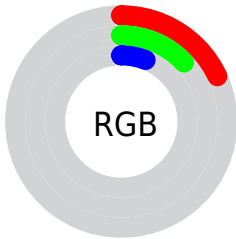
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 45, 16
Decimal	2957840
CIELab	14.06, 2.42, 13.74
CIElCh	14, 13.949, 79.994
Yxy	1.7394, 0.4141, 0.4121
Android (android.graphics.Color)	4281147920 (0xFF2D2210)
YUV	35.2370, -9.4838, 8.5622
Hunter-Lab	13.1885, 0.5751, 5.9329

# Details

The Hex color **2D2210** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **101B2D**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **5C4E3A**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2D200C**, and if you desaturate by 10%, it is **2D2415**.

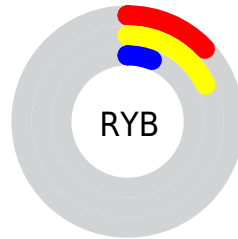
# Distribution



Red (18%)

Green (13%)

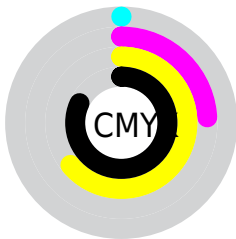
Blue (6%)



Red (13%)

Yellow (18%)

Blue (6%)

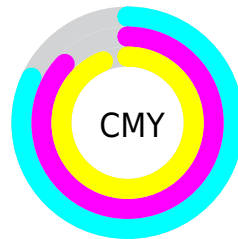


Cyan (0%)

Magenta (24%)

Yellow (64%)

Black (82%)



Cyan (82%)

Magenta (87%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D2210 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 2D2210 by changing the saturation by 10% instead.



■ 2D2210

■ 2D2210

■ FFFFF0

■ 170C00

■ 5C4E3A

■ 000000

■ 756652

■ 8F7F6A

■ A99983

■ C5B49D

■ E1CFB8

■ FEEBD4

■ 2D2210

■ 2D2210

■ 2D200C

■ 2D2415

■ 2D1F07

■ 2D2519

■ 2D1D03

■ 2D271E

■ 2D1C00

■ 2D2922

■ 2D2B27

■ 2D2C2B

■ 2D2E30

■ 2D3034

■ 2D3139

# Harmonies

## Analogous

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



341F15



2D2210



242511

# Triad

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



2D2210



00292A



2D1F30

# Complementary

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



2D2210



101B2D

# 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.



202236



2D2210



002832

# Square

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



2D2210



0B2920



0F2637



341C27

# Rectangle

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



2D2210



1C2714



0F2637



292033



# Sweetspot

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



2D2210



3B3630



2D101B



1F1C18



9E9E9E



1F1F1F



# Same Dimension

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



2D2210



3B2A0D



2A2D10



171615



573600



D68500



# Inverse Universe

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



101B2D



0D1F3B



13102D



151617



002157

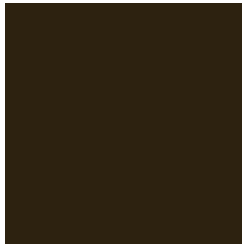


0051D6



# Previews

## White Background



This preview shows how the Hex color 2D2210 looks on a white background.

## Color Contrast Check

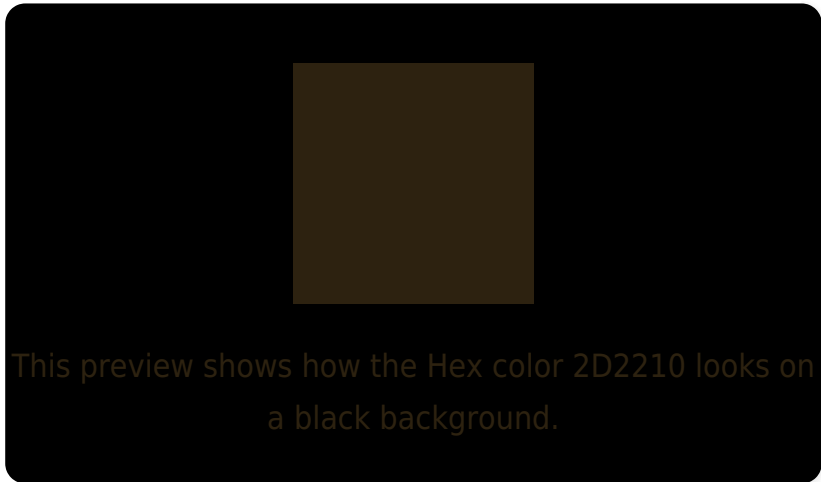
Large Text (above 18pt) WCAG AA ✓ Pass

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

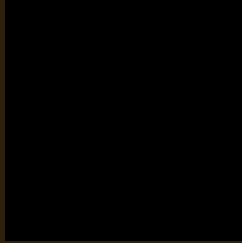
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

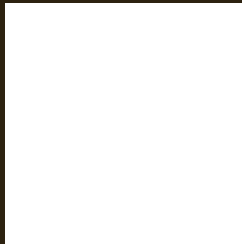
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2D2210 Background



This preview shows how black text looks on a background with the Hex color 2D2210.

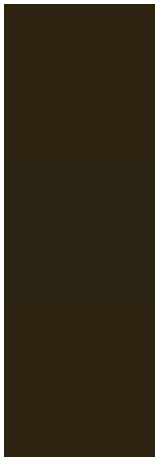


This preview shows how white text looks on a background with the Hex color 2D2210.

# 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



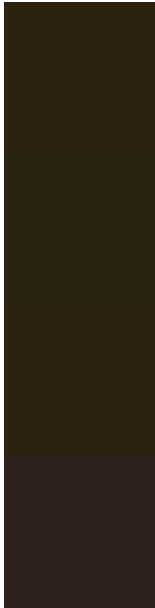
**Original Color**  
2D2210

**Protanopia**  
282411

**Deuteranopia**  
2D2210



# Trichromacy



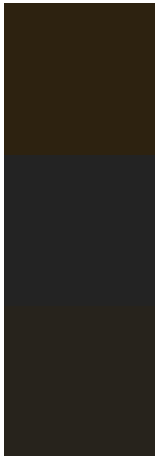
**Original Color**  
2D2210

**Protanomaly**  
2A2311

**Deuteranomaly**  
2D2210

**Tritanomaly**  
2E211B

# Monochromacy



**Original Color**  
2D2210

**Achromatopsia**  
232323

**Achromatomaly**  
27231C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D2210 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 #2D2210 looks like.

```
.text, #text, p{  
    color:#2D2210  
}
```

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 #2D2210 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D2210
}
```

## Border

The CSS property to change the border of an element to Hex 2D2210 is called "border". The border property can be set on classes, ids or directly on the HTML element.

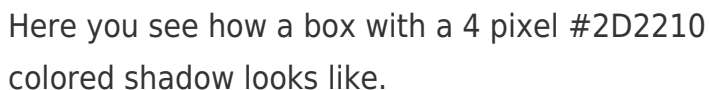
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2D2210 }
```

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

```
.border{ border-color:#2D2210 }
```

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



Here you see how a box with a 4 pixel #2D2210 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D2210; -webkit-box-shadow:4px 4px  
4px 4px #2D2210; box-shadow:4px 4px 4px  
4px #2D2210 }
```

# Background

The CSS property to change the background color of an element to Hex 2D2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D2210 }
```

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

```
.background{ background-color:#2D2210 }
```

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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