

Converting Colors

Hex(212212)

Have a look what the booklet for
Hex(212212) contains.

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Color

Hex(212212)

Conversions

Conversions Part 1

Format	Color
Hex	212212
RGB	33, 34, 18
RGB Percent	13%, 13%, 7%
CMY	0.8706, 0.8667, 0.9294
CMYK	0.03, 0.00, 0.47, 0.87
HSL	64°, 31%, 10%
HSV	64°, 47%, 13%
XYZ	1.3084, 1.5111, 0.7950
YIQ	31.8770, 4.5400, -5.1880

Conversions

Conversions Part 2

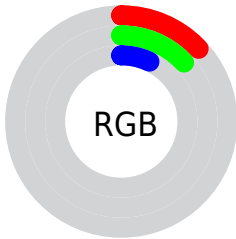
Format	Color
RYB	18, 34, 19
Decimal	2171410
CIELab	12.68, -3.78, 10.49
CIELCh	13, 11.149, 109.826
Yxy	1.5111, 0.3620, 0.4181
Android (android.graphics.Color)	4280361490 (0xFF212212)
YUV	31.8770, -6.8414, 0.9849
Hunter-Lab	12.2925, -2.5125, 4.7704

Details

The Hex color **212212** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **131222**, and the grayscale version is **202020**.

A 20% lighter version of the original color is **4D4E3C**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **21220F**, and if you desaturate by 10%, it is **212215**.

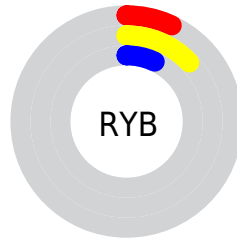
Distribution



Red (13%)

Green (13%)

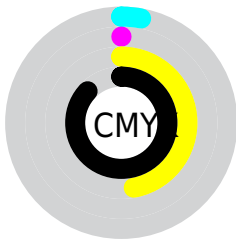
Blue (7%)



Red (7%)

Yellow (13%)

Blue (7%)

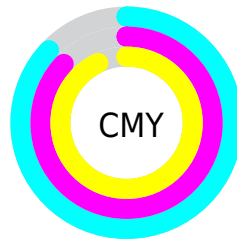


Cyan (3%)

Magenta (0%)

Yellow (47%)

Black (87%)



Cyan (87%)

Magenta (87%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Hex color 212212 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 212212 by changing the saturation by 10% instead.

■ 212212

■ 212212

■ FFFFF2

■ 050C00

■ 4D4E3C

■ 000000

■ 656653

■ 7F7F6C

■ 999985

■ B3B49F

■ CFCFBA

■ EBEBD6

■ 212212

■ 212212

■ 21220F

■ 212215

■ 21220B

■ 212219

■ 202208

■ 22221C

■ 202204

■ 222220

■ 202201

■ 222223

■ 202200

■ 222226

■ 22222A

■ 23222D

■ 232231

Harmonies

Analogous

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



291F11



212212



182417

Triad

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



212212



08242C



2E1B24

Complementary

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



212212



131222

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.



281D2B



212212



122230

Square

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



212212



072526



1E202F



301B1C

Rectangle

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



212212



12251B



1E202F



2D1C26

Sweetspot

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



212212



2B2B25



221312



171713



969696



171717

Same Dimension

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



212212



2A2B13



192212



121210



4D5200



C4D100

Inverse Universe

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



131222



15132B



1B1222



101012



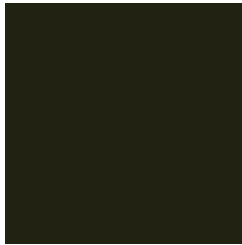
050052



0D00D1

Previews

White Background



This preview shows how the Hex color 212212 looks on a white background.

Color Contrast Check

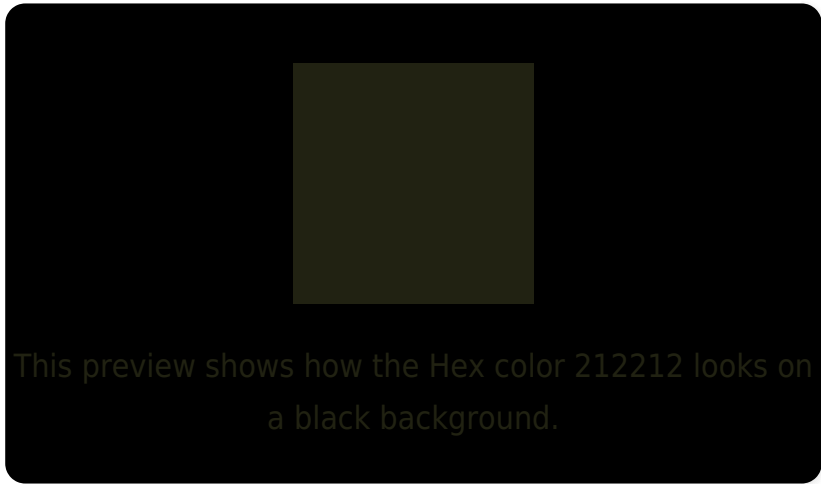
Large Text (above 18pt) WCAG AA ✓ Pass

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

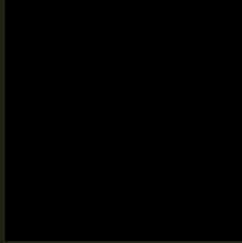
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

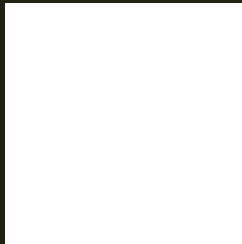
Any Text WCAG AAA × Fail

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

Hex 212212 Background



This preview shows how black text looks on a background with the Hex color 212212.

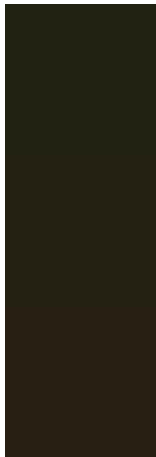


This preview shows how white text looks on a background with the Hex color 212212.

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

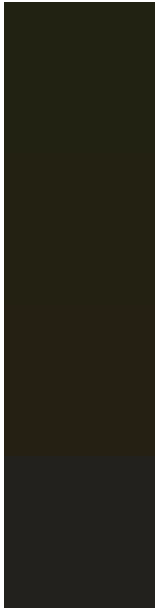


Original Color
212212

Protanopia
242112

Deuteranopia
281F13

Trichromacy



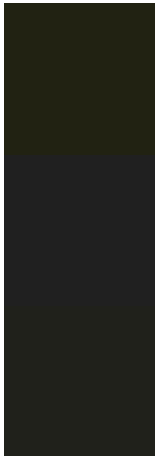
Original Color
212212

Protanomaly
232112

Deuteranomaly
252013

Tritanomaly
22211D

Monochromacy



Original Color
212212

Achromatopsia
202020

Achromatomaly
20211B

CSS Examples

Text

The CSS property to change the color of the text to Hex 212212 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 #212212 looks like.

```
.text, #text, p{  
    color:#212212  
}
```

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 #212212 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #212212
}
```

Border

The CSS property to change the border of an element to Hex 212212 is called "border". The border property can be set on classes, ids or directly on the HTML element.

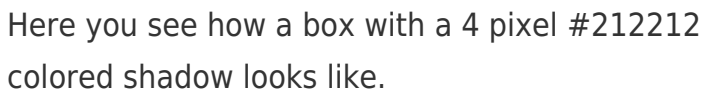
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#212212 }
```

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

```
.border{ border-color:#212212 }
```

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



Here you see how a box with a 4 pixel #212212 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #212212; -webkit-box-shadow:4px 4px  
4px 4px #212212; box-shadow:4px 4px 4px  
4px #212212 }
```

Background

The CSS property to change the background color of an element to Hex 212212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#212212 }
```

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

```
.background{ background-color:#212212 }
```

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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