

Converting Colors

Hex(212122)

Have a look what the booklet for
Hex(212122) contains.

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Color

Hex(212122)

Conversions

Conversions Part 1

Format	Color
Hex	212122
RGB	33, 33, 34
RGB Percent	13%, 13%, 13%
CMY	0.8706, 0.8706, 0.8667
CMYK	0.03, 0.03, 0.00, 0.87
HSL	240°, 1%, 13%
HSV	240°, 3%, 13%
XYZ	1.4598, 1.5265, 1.7311
YIQ	33.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

Format	Color
R_{YB}	33, 33, 34
Decimal	2171170
CIE Lab	12.78, 0.25, -0.68
CIE LCh	13, 0.722, 290.420
Yxy	1.5265, 0.3094, 0.3236
Android (android.graphics.Color)	4280361250 (0xFF212122)
YUV	33.1140, 0.4368, -0.1000
Hunter-Lab	12.3553, -0.5319, 0.3417

Details

The Hex color **212122** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **222221**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **4D4D4E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1E1E22**, and if you desaturate by 10%, it is **242422**.

Distribution



Red (13%)

Green (13%)

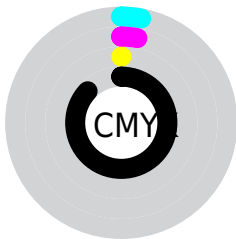
Blue (13%)



Red (13%)

Yellow (13%)

Blue (13%)



Cyan (3%)

Magenta (3%)

Yellow (0%)

Black (87%)



Cyan (87%)

Magenta (87%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 212122 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 212122 by changing the saturation by 10% instead.

■ 212122

■ 212122

FFFFFF

■ 0A0A0C

■ 4D4D4E

■ 000000

■ 656566

■ 7E7E7F

■ 989899

■ B2B2B4

■ CECECF

■ EAEAEC

■ 212122

■ 212122

■ 1E1E22

■ 242422

■ 1A1A22

■ 282822

■ 171722

■ 2B2B22

■ 131322

■ 2F2F22

■ 101022

■ 323222

■ 0D0D22

■ 353522

■ 090922

■ 393922

■ 060622

■ 3C3C22

■ 020222

■ 404022

Harmonies

Analogous

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



202122



212122



222122

Triad

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



212122



222120



202121

Complementary

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



212122



222221

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.



212120



212122



222120

Square

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



212122



222121



212120



202121

Rectangle

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



212122



222121



212120



202121

Sweetspot

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



212122



2B2B2B



212222



171717



969696

Same Dimension

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



212122



2A2A2B



222122



111112



000052



0000D1

Inverse Universe

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



222122



2B2A2B



222221



121112



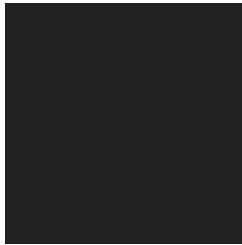
520052



D100D1

Previews

White Background



This preview shows how the Hex color 212122 looks on a white background.

Color Contrast Check

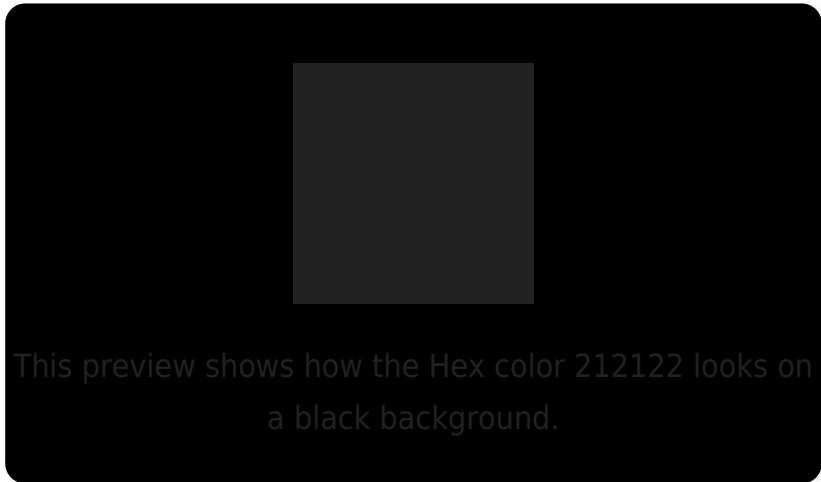
Large Text (above 18pt) WCAG AA ✓ Pass

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

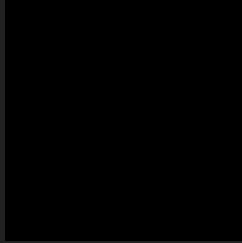
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

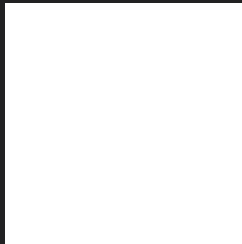
Any Text WCAG AAA × Fail

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

Hex 212122 Background



This preview shows how black text looks on a background with the Hex color 212122.

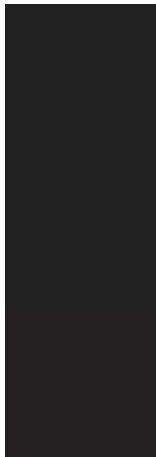


This preview shows how white text looks on a background with the Hex color 212122.

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
212122

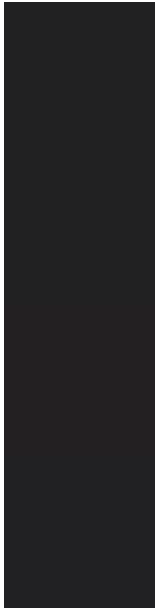
Protanopia
212122

Deuteranopia
242022



Tritanopia
212123

Trichromacy



Original Color

212122

Protanomaly

212122

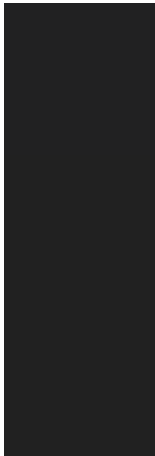
Deuteranomaly

232022

Tritanomaly

212123

Monochromacy



Original Color

212122

Achromatopsia

212121

Achromatomaly

212121

CSS Examples

Text

The CSS property to change the color of the text to Hex 212122 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 #212122 looks like.

```
.text, #text, p{  
    color:#212122  
}
```

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 #212122 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #212122
}
```

Border

The CSS property to change the border of an element to Hex 212122 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
#212122 }
```

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

```
.border{ border-color:#212122 }
```

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

Here you see how a box with a 4 pixel #212122 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #212122; -webkit-box-shadow:4px 4px  
4px 4px #212122; box-shadow:4px 4px 4px  
4px #212122 }
```

Background

The CSS property to change the background color of an element to Hex 212122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#212122 }
```

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

```
.background{ background-color:#212122 }
```

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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