

Converting Colors

Hex(222021)

Have a look what the booklet for
Hex(222021) contains.

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Color

Hex(222021)

Conversions

Conversions Part 1

Format	Color
Hex	222021
RGB	34, 32, 33
RGB Percent	13%, 13%, 13%
CMY	0.8667, 0.8745, 0.8706
CMYK	0.00, 0.06, 0.03, 0.87
HSL	330°, 3%, 13%
HSV	330°, 6%, 13%
XYZ	1.4507, 1.4829, 1.6486
YIQ	32.7120, 0.8710, 0.7350

Conversions

Conversions Part 2

Format	Color
RYB	34, 32, 33
Decimal	2236449
CIELab	12.50, 1.19, -0.34
CIELCh	12, 1.235, 343.914
Yxy	1.4829, 0.3166, 0.3236
Android (android.graphics.Color)	4280426529 (0xFF222021)
YUV	32.7120, 0.1420, 1.1296
Hunter-Lab	12.1775, -0.0457, 0.4974

Details

The Hex color **222021** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **202221**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **4E4C4D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **221D1F**, and if you desaturate by 10%, it is **222323**.

Distribution



Red (13%)

Green (13%)

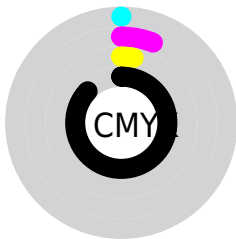
Blue (13%)



Red (13%)

Yellow (13%)

Blue (13%)



Cyan (0%)

Magenta (6%)

Yellow (3%)

Black (87%)



Cyan (87%)

Magenta (87%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 222021 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 222021 by changing the saturation by 10% instead.

■ 222021

■ 222021

FFFFFF

■ 0C080A

■ 4E4C4D

■ 000000

■ 666465

■ 7F7D7E

■ 999698

■ B4B1B2

■ CFCDCE

■ ECE9EA

■ 222021

■ 222021

■ 221D1F

■ 222323

■ 22191E

■ 222724

■ 22161C

■ 222A26

■ 22121A

■ 222E28

■ 220F19

■ 223129

■ 220C17

■ 22342B

■ 220815

■ 22382D

■ 220513

■ 223B2F

■ 220112

■ 223F30

Harmonies

Analogous

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



212022



222021



222020

Triad

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



222021



21211F



1F2122

Complementary

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



222021



202221

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.



1F2121



222021



20211F

Square

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



222021



22201F



1F2120



1F2122

Rectangle

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



222021



222020



1F2120



1F2121

Sweetspot

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



222021



2B2A2B



212022



171617



969696



171717

Same Dimension

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



222021



2B282A



222020



121011



520029



D10069

Inverse Universe

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



222021



2B282A



202222



121011



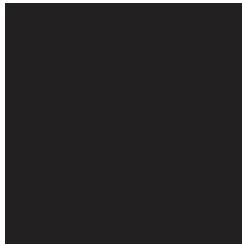
520029



D10069

Previews

White Background



This preview shows how the Hex color 222021 looks on a white background.

Color Contrast Check

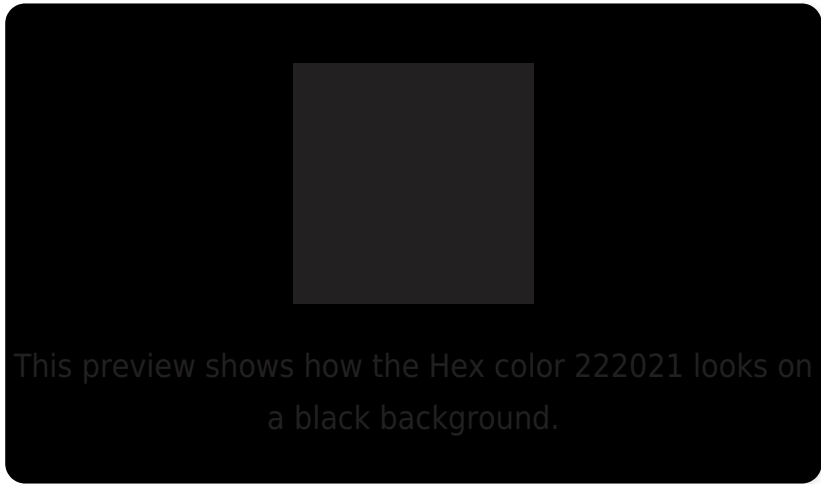
Large Text (above 18pt) WCAG AA ✓ Pass

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

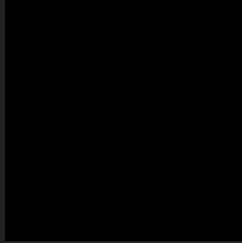
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

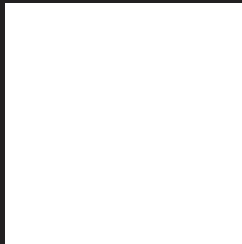
Any Text WCAG AAA × Fail

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

Hex 222021 Background



This preview shows how black text looks on a background with the Hex color 222021.

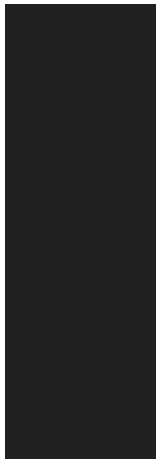


This preview shows how white text looks on a background with the Hex color 222021.

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
222021

Protanopia
212021

Deuteranopia
232021

Trichromacy



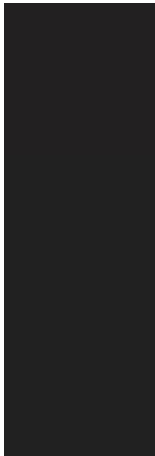
Original Color
222021

Protanomaly
212021

Deuteranomaly
232021

Tritanomaly
222022

Monochromacy



Original Color
222021

Achromatopsia
212121

Achromatomaly
212121

CSS Examples

Text

The CSS property to change the color of the text to Hex 222021 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 #222021 looks like.

```
.text, #text, p{  
    color:#222021  
}
```

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 #222021 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #222021
}
```

Border

The CSS property to change the border of an element to Hex 222021 is called "border". The border property can be set on classes, ids or directly on the HTML element.

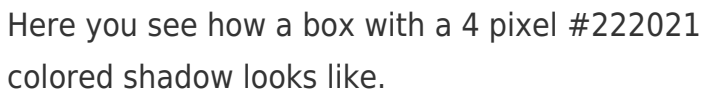
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#222021 }
```

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

```
.border{ border-color:#222021 }
```

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



Here you see how a box with a 4 pixel #222021 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #222021; -webkit-box-shadow:4px 4px  
4px 4px #222021; box-shadow:4px 4px 4px  
4px #222021 }
```

Background

The CSS property to change the background color of an element to Hex 222021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#222021 }
```

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

```
.background{ background-color:#222021 }
```

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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