

Converting Colors

Hex(221F22)

Have a look what the booklet for
Hex(221F22) contains.

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Color

Hex(221F22)

Conversions

Conversions Part 1

Format	Color
Hex	221F22
RGB	34, 31, 34
RGB Percent	13%, 12%, 13%
CMY	0.8667, 0.8784, 0.8667
CMYK	0.00, 0.09, 0.00, 0.87
HSL	300°, 5%, 13%
HSV	300°, 9%, 13%
XYZ	1.4384, 1.4355, 1.7146
YIQ	32.2390, 0.8250, 1.5690

Conversions

Conversions Part 2

Format	Color
R_YB	34, 31, 34
Decimal	2236194
CIE Lab	12.19, 2.16, -1.52
CIE LCh	12, 2.641, 324.776
Yxy	1.4355, 0.3135, 0.3129
Android (android.graphics.Color)	4280426274 (0xFF221F22)
YUV	32.2390, 0.8682, 1.5444
Hunter-Lab	11.9814, 0.4619, -0.0979

Details

The Hex color **221F22** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1F221F**, and the grayscale version is **202020**.

A 20% lighter version of the original color is **4E4B4E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **221C22**, and if you desaturate by 10%, it is **222222**.

Distribution



Red (13%)

Green (12%)

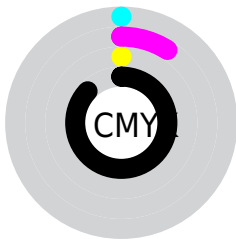
Blue (13%)



Red (13%)

Yellow (12%)

Blue (13%)



Cyan (0%)

Magenta (9%)

Yellow (0%)

Black (87%)



Cyan (87%)

Magenta (88%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 221F22 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 221F22 by changing the saturation by 10% instead.

■ 221F22

■ 221F22

FFFFFF

■ 0C060C

■ 4E4B4E

■ 000000

■ 666366

■ 7F7B7F

■ 999599

■ B4B0B4

■ CFCBCF

■ ECE7EC

■ 221F22

■ 221F22

■ 221C22

■ 222222

■ 221822

■ 222622

■ 221522

■ 222922

■ 221122

■ 222D22

■ 220E22

■ 223022

■ 220B22

■ 223322

■ 220722

■ 223722

■ 220422

■ 223A22

■ 220022

■ 223E22

Harmonies

Analogous

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



202023



221F22



231F20

Triad

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



221F22



22201C



1B2121

Complementary

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



221F22



1F221F

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.



1C211F



221F22



20201D

Square

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



221F22



231F1D



1E211E



1C2123

Rectangle

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



221F22



241F1F



1E211E



1C2121

Sweetspot

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



221F22



2B2A2B



1F1F22



171617



969696



171717

Same Dimension

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



221F22



2B272B



221F21



121012



520052



D100D1

Inverse Universe

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



221F22



2B272B



1F2221



121012



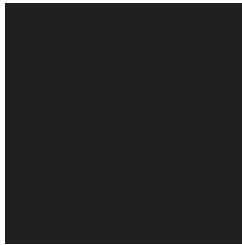
520052



D100D1

Previews

White Background



This preview shows how the Hex color 221F22 looks on a white background.

Color Contrast Check

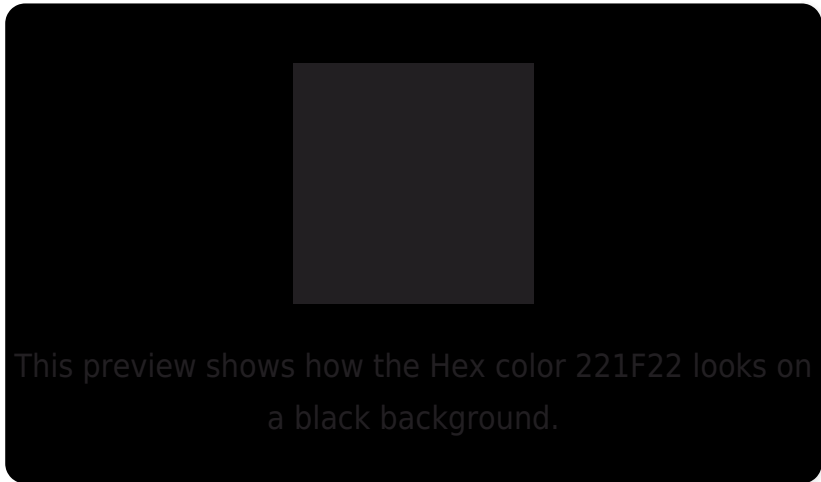
Large Text (above 18pt) WCAG AA ✓ Pass

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

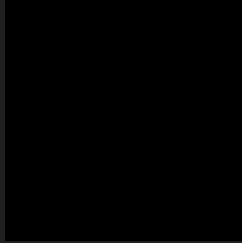
Any Text WCAG AA × Fail

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 221F22 Background



This preview shows how black text looks on a background with the Hex color 221F22.

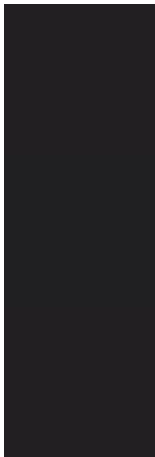


This preview shows how white text looks on a background with the Hex color 221F22.

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

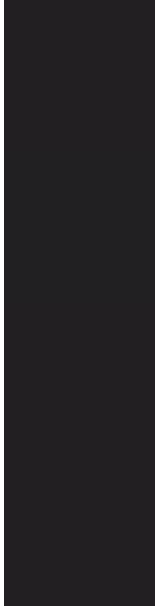


Original Color
221F22

Protanopia
202022

Deuteranopia
221F22

Trichromacy



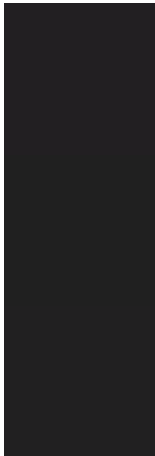
Original Color
221F22

Protanomaly
212022

Deuteranomaly
221F22

Tritanomaly
221F22

Monochromacy



Original Color
221F22

Achromatopsia
202020

Achromatomaly
212021

CSS Examples

Text

The CSS property to change the color of the text to Hex 221F22 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 #221F22 looks like.

```
.text, #text, p{  
    color:#221F22  
}
```

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 #221F22 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #221F22
}
```

Border

The CSS property to change the border of an element to Hex 221F22 is called "border". The border property can be set on classes, ids or directly on the HTML element.

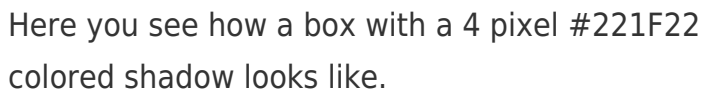
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#221F22 }
```

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

```
.border{ border-color:#221F22 }
```

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



Here you see how a box with a 4 pixel #221F22 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #221F22; -webkit-box-shadow:4px 4px  
4px 4px #221F22; box-shadow:4px 4px 4px  
4px #221F22 }
```

Background

The CSS property to change the background color of an element to Hex 221F22 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#221F22 }
```

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

```
.background{ background-color:#221F22 }
```

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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