

# Converting Colors

Hex(22211F)

Have a look what the booklet for  
Hex(22211F) contains.

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# Color

Hex(22211F)

# Conversions

## Conversions Part 1

Format	Color
Hex	22211F
RGB	34, 33, 31
RGB Percent	13%, 13%, 12%
CMY	0.8667, 0.8706, 0.8784
CMYK	0.00, 0.03, 0.09, 0.87
HSL	40°, 5%, 13%
HSV	40°, 9%, 13%
XYZ	1.4509, 1.5267, 1.5145
YIQ	33.0710, 1.2380, -0.4100

# Conversions

## Conversions Part 2

Format	Color
<b>RYB</b>	<b>33, 34, 31</b>
Decimal	2236703
CIELab	12.78, -0.01, 1.52
CIELCh	13, 1.516, 90.257
Yxy	1.5267, 0.3230, 0.3399
Android (android.graphics.Color)	4280426783 (0xFF22211F)
YUV	33.0710, -1.0210, 0.8147
Hunter-Lab	12.3561, -0.6634, 1.3818

# Details

The Hex color **22211F** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1F2022**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **4E4D4B**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **22201C**, and if you desaturate by 10%, it is **222222**.

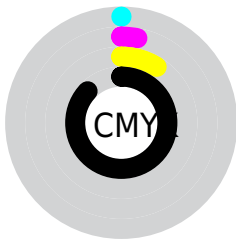
# Distribution



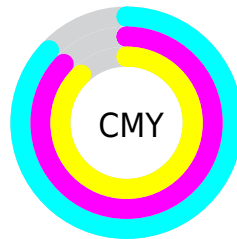
- Red (13%)
- Green (13%)
- Blue (12%)



- Red (13%)
- Yellow (13%)
- Blue (12%)



- Cyan (0%)
- Magenta (3%)
- Yellow (9%)
- Black (87%)



- Cyan (87%)
- Magenta (87%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 22211F 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 22211F by changing the saturation by 10% instead.





22211F



22211F

FFFFFF



0C0A06



4E4D4B



000000



666562



7F7E7B



999895



B4B2B0



CFCECB



ECEAE7



22211F



22211F

■ 22201C

■ 222222

■ 221F18

■ 222326

■ 221E15

■ 222429

■ 221C11

■ 22262D

■ 221B0E

■ 222730

■ 221A0B

■ 222833

■ 221907

■ 222937

■ 221804

■ 222A3A

■ 221700

■ 222B3E

# Harmonies

## Analogous

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



23211F



22211F



21211F

# Triad

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



22211F



1F2222



222122

# Complementary

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



22211F



1F2022

# 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.



212123



22211F



1F2123

# Square

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



22211F



1F2221



202123



232021

# Rectangle

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



22211F



202220



202123



222122



# Sweetspot

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



22211F



2B2B2A



221F20



171716



969696



171717



# Same Dimension

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



22211F



2B2A27



21221F



121110



523600



D18B00



# Inverse Universe

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



1F2022



27282B



1F1F22



101112



001B52

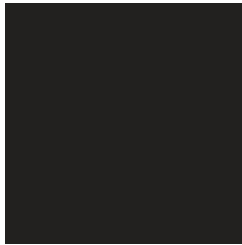


0046D1



# Previews

## White Background



This preview shows how the Hex color 22211F looks on a white background.

## Color Contrast Check

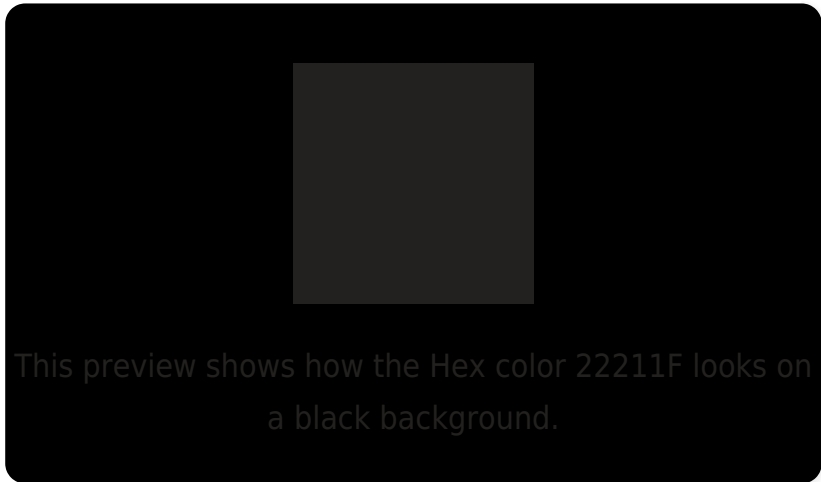
Large Text (above 18pt) WCAG AA ✓ Pass

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

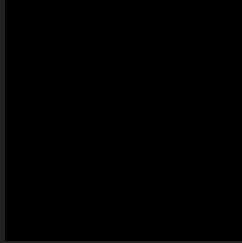
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

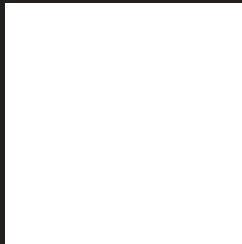
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 22211F Background



This preview shows how black text looks on a background with the Hex color 22211F.

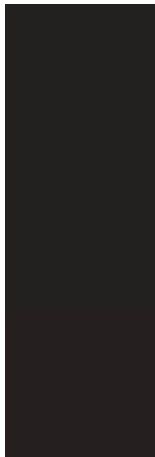


This preview shows how white text looks on a background with the Hex color 22211F.

# 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



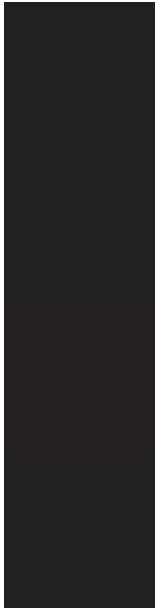
**Original Color**  
22211F

**Protanopia**  
22211F

**Deuteranopia**  
25201F



# Trichromacy



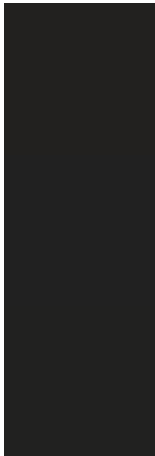
**Original Color**  
22211F

**Protanomaly**  
22211F

**Deuteranomaly**  
24201F

**Tritanomaly**  
232022

# Monochromacy



**Original Color**  
22211F

**Achromatopsia**  
212121

**Achromatomaly**  
212120

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 22211F 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 #22211F looks like.

```
.text, #text, p{  
    color:#22211F  
}
```

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 #22211F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22211F
}
```

## Border

The CSS property to change the border of an element to Hex 22211F is called "border". The border property can be set on classes, ids or directly on the HTML element.

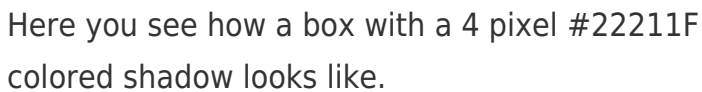
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#22211F }
```

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

```
.border{ border-color:#22211F }
```

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



Here you see how a box with a 4 pixel #22211F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22211F; -webkit-box-shadow:4px 4px  
4px 4px #22211F; box-shadow:4px 4px 4px  
4px #22211F }
```

# Background

The CSS property to change the background color of an element to Hex 22211F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22211F }
```

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

```
.background{ background-color:#22211F }
```

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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