

# Converting Colors

Hex(221E12)

Have a look what the booklet for  
Hex(221E12) contains.

<b>Hex(221E12)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(221E12)

# Conversions

## Conversions Part 1

Format	Color
Hex	221E12
RGB	34, 30, 18
RGB Percent	13%, 12%, 7%
CMY	0.8667, 0.8824, 0.9294
CMYK	0.00, 0.12, 0.47, 0.87
HSL	45°, 31%, 10%
HSV	45°, 47%, 13%
XYZ	1.2331, 1.3123, 0.7606
YIQ	29.8280, 6.2360, -2.8840

# Conversions

## Conversions Part 2

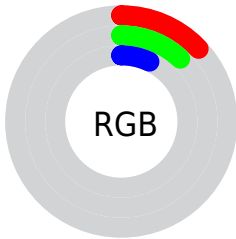
<b>Format</b>	<b>Color</b>
<b>RYB</b>	23, 34, 18
Decimal	2235922
CIELab	11.36, -0.45, 8.71
CIELCh	11, 8.721, 92.945
Yxy	1.3123, 0.3730, 0.3969
Android (android.graphics.Color)	4280426002 (0xFF221E12)
YUV	29.8280, -5.8312, 3.6588
Hunter-Lab	11.4556, -0.8325, 4.0824

# Details

The Hex color **221E12** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **121622**, and the grayscale version is **1E1E1E**.

A 20% lighter version of the original color is **4F4A3C**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **221D0F**, and if you desaturate by 10%, it is **221F15**.

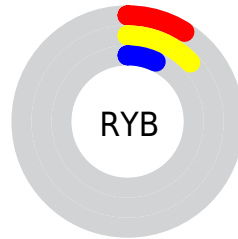
# Distribution



Red (13%)

Green (12%)

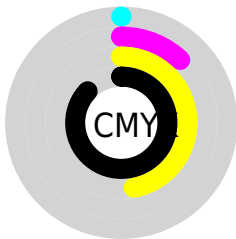
Blue (7%)



Red (9%)

Yellow (13%)

Blue (7%)

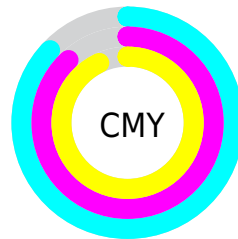


Cyan (0%)

Magenta (12%)

Yellow (47%)

Black (87%)



Cyan (87%)

Magenta (88%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 221E12 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 221E12 by changing the saturation by 10% instead.



■ 221E12

■ 221E12

■ FFFFF2

■ 060500

■ 4F4A3C

■ 000000

■ 676153

■ 807A6C

■ 9A9485

■ B5AE9F

■ D0CABA

■ EDE6D6

■ 221E12

■ 221E12

■ 221D0F

■ 221F15

■ 221C0B

■ 222019

■ 221B08

■ 22211C

■ 221B04

■ 222120

■ 221A01

■ 222223

■ 221A00

■ 222326

■ 22242A

■ 22252D

■ 222631

# Harmonies

## Analogous

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



271C14



221E12



1C2014

# Triad

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



221E12



0C2124



261B24

# Complementary

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



221E12



121622

# 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.



201C28



221E12



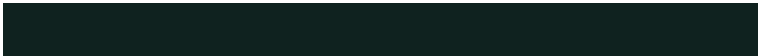
102029

# Square

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



221E12



0F221F



181F2A



2A1A1E

# Rectangle

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



221E12



172117



181F2A



241B25



# Sweetspot

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



221E12



2B2A25



221216



171613



969696



171717



# Same Dimension

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



221E12



2B2513



1E2212



121110



523D00



D19D00



# Inverse Universe

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



121622



13192B



161222



101112



001452

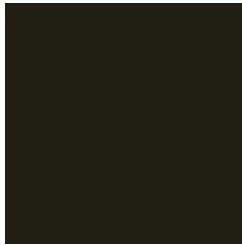


0034D1



# Previews

## White Background



This preview shows how the Hex color 221E12 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

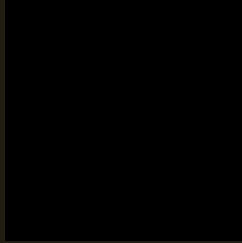
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 221E12 Background



This preview shows how black text looks on a background with the Hex color 221E12.

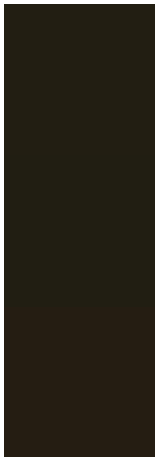


This preview shows how white text looks on a background with the Hex color 221E12.

# 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**  
221E12

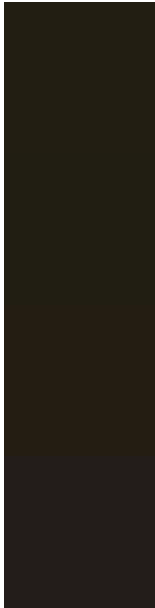
**Protanopia**  
211E12

**Deuteranopia**  
251D12



**Tritanopia**  
231C1F

# Trichromacy



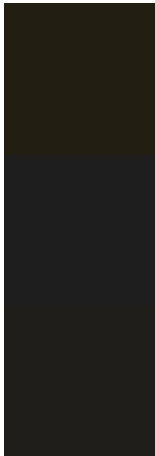
**Original Color**  
221E12

**Protanomaly**  
211E12

**Deuteranomaly**  
241D12

**Tritanomaly**  
231D1A

# Monochromacy



**Original Color**  
221E12

**Achromatopsia**  
1E1E1E

**Achromatomaly**  
1F1E1A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 221E12 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 #221E12 looks like.

```
.text, #text, p{  
    color:#221E12  
}
```

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 #221E12 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #221E12
}
```

## Border

The CSS property to change the border of an element to Hex 221E12 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
#221E12 }
```

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

```
.border{ border-color:#221E12 }
```

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

Here you see how a box with a 4 pixel #221E12 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #221E12; -webkit-box-shadow:4px 4px  
4px 4px #221E12; box-shadow:4px 4px 4px  
4px #221E12 }
```

# Background

The CSS property to change the background color of an element to Hex 221E12 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#221E12 }
```

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

```
.background{ background-color:#221E12 }
```

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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