

# Converting Colors

Hex(222A1D)

Have a look what the booklet for  
Hex(222A1D) contains.

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# Color

Hex(222A1D)

# Conversions

## Conversions Part 1

Format	Color
Hex	222A1D
RGB	34, 42, 29
RGB Percent	13%, 16%, 11%
CMY	0.8667, 0.8353, 0.8863
CMYK	0.19, 0.00, 0.31, 0.84
HSL	97°, 18%, 14%
HSV	97°, 31%, 16%
XYZ	1.7094, 2.0847, 1.4747
YIQ	38.1260, -0.5950, -5.7390

# Conversions

## Conversions Part 2

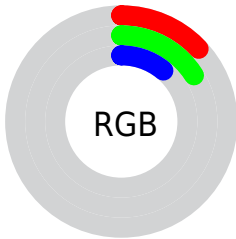
Format	Color
<a href="#">RYB</a>	<a href="#">29, 42, 37</a>
Decimal	<a href="#">2239005</a>
CIELab	<a href="#">15.93, -6.61, 7.37</a>
CIELCh	<a href="#">16, 9.901, 131.885</a>
Yxy	<a href="#">2.0847, 0.3244, 0.3957</a>
Android (android.graphics.Color)	<a href="#">4280429085 (0xFF222A1D)</a>
YUV	<a href="#">38.1260, -4.4991, -3.6185</a>
Hunter-Lab	<a href="#">14.4386, -4.1343, 4.0514</a>

# Details

The Hex color **222A1D** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **251D2A**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **4E5749**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1F2A19**, and if you desaturate by 10%, it is **252A21**.

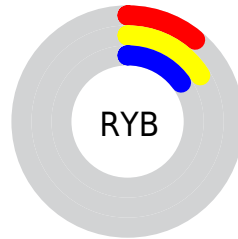
# Distribution



Red (13%)

Green (16%)

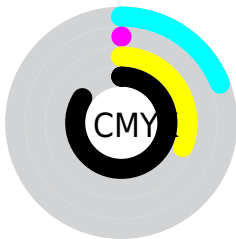
Blue (11%)



Red (11%)

Yellow (16%)

Blue (15%)

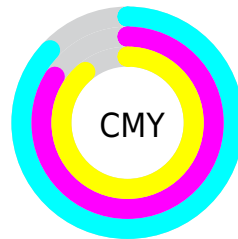


Cyan (19%)

Magenta (0%)

Yellow (31%)

Black (84%)



Cyan (87%)

Magenta (84%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 222A1D 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 222A1D by changing the saturation by 10% instead.



■ 222A1D

■ 222A1D

FFFFFF

■ 0D1603

■ 4E5749

■ 000000

■ 667060

■ 808979

■ 9AA393

■ B4BEAD

■ D0DAC9

■ ECF7E5

■ 222A1D

■ 222A1D

■ 1F2A19

■ 252A21

■ 1D2A15

■ 272A25

■ 1A2A10

■ 2A2A2A

■ 182A0C

■ 2C2A2E

■ 152A08

■ 2F2A32

■ 122A04

■ 322A36

■ 102A00

■ 342A3A

■ 372A3F

■ 392A43

# Harmonies

## Analogous

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



2A281A



222A1D



1A2B23

# Triad

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



222A1D



192A35



362325

# Complementary

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



222A1D



251D2A

# 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.



33232C



222A1D



232735

# Square

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



222A1D



132B31



2C2532



35241F

# Rectangle

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



222A1D



162C28



2C2532



352227



# Sweetspot

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



222A1D



333631



2A251D



1A1C19



9C9C9C



1C1C1C



# Same Dimension

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



222A1D



293622



1D2A1E



131412



205400



51D400



# Inverse Universe

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



251D2A



2E2236



2A1D29



141214



340054

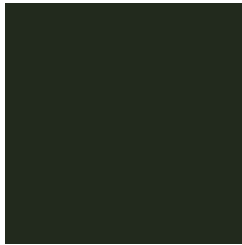


8200D4



# Previews

## White Background



This preview shows how the Hex color 222A1D looks on a white background.

## Color Contrast Check

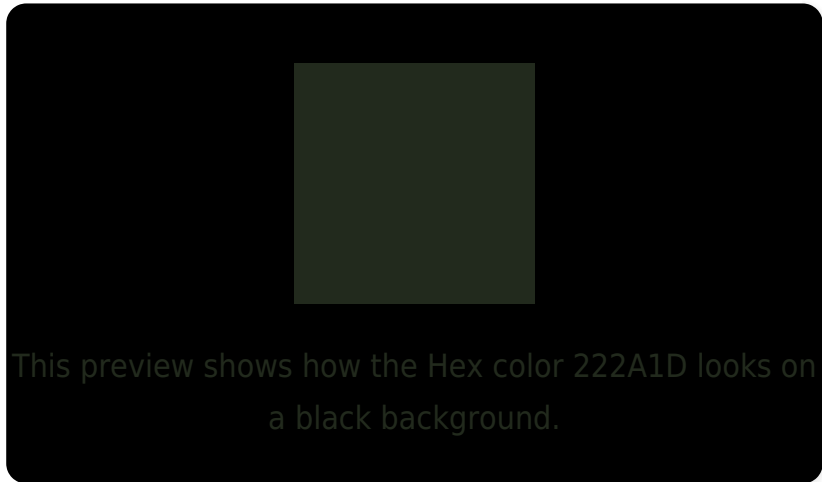
Large Text (above 18pt) WCAG AA ✓ Pass

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

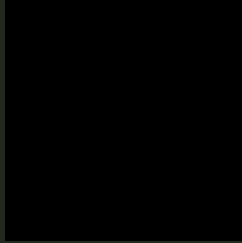
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

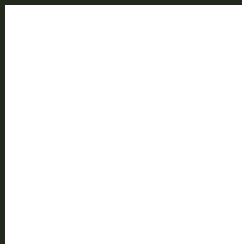
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 222A1D Background



This preview shows how black text looks on a background with the Hex color 222A1D.

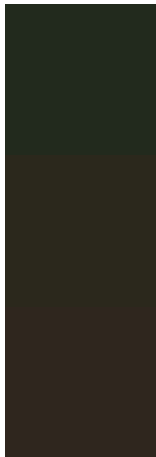


This preview shows how white text looks on a background with the Hex color 222A1D.

# 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**  
222A1D

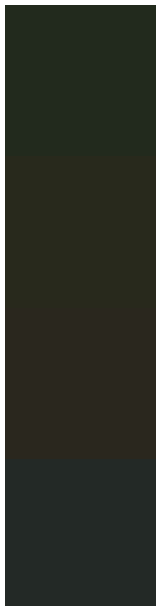
**Protanopia**  
2B281C

**Deuteranopia**  
2F261E



**Tritanopia**  
24282B

# Trichromacy



**Original Color**

222A1D

**Protanomaly**

28291C

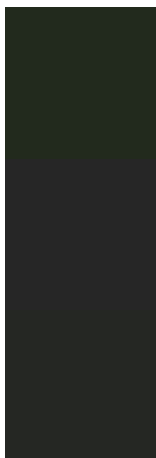
**Deuteranomaly**

2A271E

**Tritanomaly**

232926

# Monochromacy



**Original Color**

222A1D

**Achromatopsia**

262626

**Achromatomaly**

252723

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 222A1D 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 #222A1D looks like.

```
.text, #text, p{  
    color:#222A1D  
}
```

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 #222A1D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #222A1D
}
```

## Border

The CSS property to change the border of an element to Hex 222A1D 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
#222A1D }
```

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

```
.border{ border-color:#222A1D }
```

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

Here you see how a box with a 4 pixel #222A1D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #222A1D; -webkit-box-shadow:4px 4px  
4px 4px #222A1D; box-shadow:4px 4px 4px  
4px #222A1D }
```

# Background

The CSS property to change the background color of an element to Hex 222A1D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#222A1D }
```

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

```
.background{ background-color:#222A1D }
```

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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