

Converting Colors

Hex(221B01)

Have a look what the booklet for
Hex(221B01) contains.

Hex(221B01)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(221B01)

Conversions

Conversions Part 1

Format	Color
Hex	221B01
RGB	34, 27, 1
RGB Percent	13%, 11%, 0%
CMY	0.8667, 0.8941, 0.9961
CMYK	0.00, 0.21, 0.97, 0.87
HSL	47°, 94%, 7%
HSV	47°, 97%, 13%
XYZ	1.0571, 1.1261, 0.1904
YIQ	26.1290, 12.5180, -6.6020

Conversions

Conversions Part 2

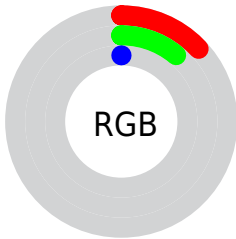
Format	Color
R_{YB}	10, 34, 1
Decimal	2235137
CIE Lab	10.00, -0.46, 14.52
CIE LCh	10, 14.527, 91.833
Yxy	1.1261, 0.4454, 0.4744
Android (android.graphics.Color)	4280425217 (0xFF221B01)
YUV	26.1290, -12.3886, 6.9029
Hunter-Lab	10.6120, -0.7899, 6.3648

Details

The Hex color **221B01** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **010822**, and the grayscale version is **1A1A1A**.

A 20% lighter version of the original color is **4E4630**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **221B00**, and if you desaturate by 10%, it is **221C04**.

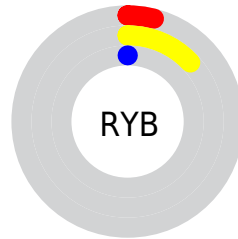
Distribution



Red (13%)

Green (11%)

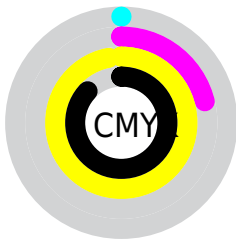
Blue (0%)



Red (4%)

Yellow (13%)

Blue (0%)

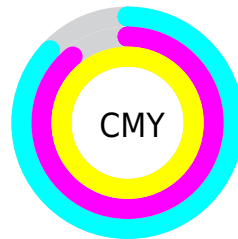


Cyan (0%)

Magenta (21%)

Yellow (97%)

Black (87%)



Cyan (87%)

Magenta (89%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 221B01 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 221B01 by changing the saturation by 10% instead.

 221B01

 221B01

 FFFEE3

 000000

 4E4630

 665E47

 80765E

 9A9077

 B5AA91

 D1C6AB

 EDE2C7

 221B01

 221B01

■ 221B00

■ 221C04

■ 221C08

■ 221D0B

■ 221E0F

■ 221F12

■ 221F15

■ 222019

■ 22211C

■ 222120

Harmonies

Analogous

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



291806



221B01



181E06

Triad

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



221B01



002025



281525

Complementary

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



221B01



010822

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.



1D192C



221B01



001F2D

Square

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



221B01



00211C



0C1C2F



2D131B

Rectangle

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



221B01



0F1F0E



0C1C2F



251628

Sweetspot

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



221B01



2B291F



220108



17150F



969696



171717

Same Dimension

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



221B01



2B2200



192201



121110



524000



D1A500

Inverse Universe

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



010822



00092B



0A0122



101012



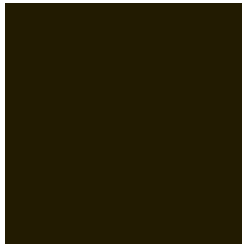
001152



002CD1

Previews

White Background



This preview shows how the Hex color 221B01 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

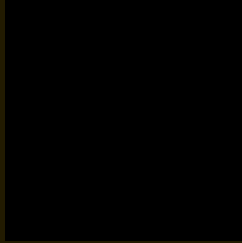
Any Text WCAG AA × Fail

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 221B01 Background



This preview shows how black text looks on a background with the Hex color 221B01.

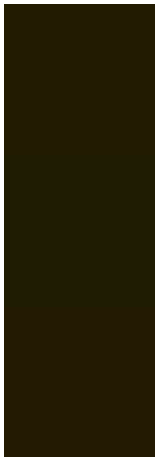


This preview shows how white text looks on a background with the Hex color 221B01.

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
221B01

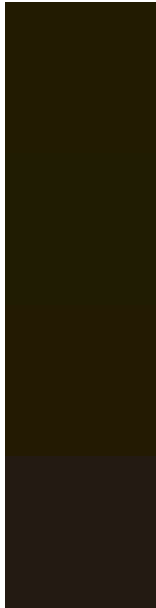
Protanopia
1F1C02

Deuteranopia
231A02



Tritanopia
23191B

Trichromacy



Original Color
221B01

Protanomaly
201C02

Deuteranomaly
231A02

Tritanomaly
231A12

Monochromacy



Original Color
221B01

Achromatopsia
1A1A1A

Achromatomaly
1D1A11

CSS Examples

Text

The CSS property to change the color of the text to Hex 221B01 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 #221B01 looks like.

```
.text, #text, p{  
    color:#221B01  
}
```

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 #221B01 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #221B01
}
```

Border

The CSS property to change the border of an element to Hex 221B01 is called "border". The border property can be set on classes, ids or directly on the HTML element.

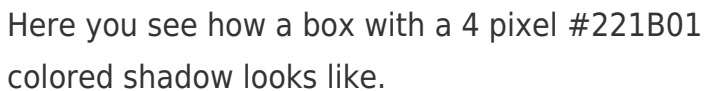
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#221B01 }
```

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

```
.border{ border-color:#221B01 }
```

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



Here you see how a box with a 4 pixel #221B01 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #221B01; -webkit-box-shadow:4px 4px  
4px 4px #221B01; box-shadow:4px 4px 4px  
4px #221B01 }
```

Background

The CSS property to change the background color of an element to Hex 221B01 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#221B01 }
```

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

```
.background{ background-color:#221B01 }
```

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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