

# Converting Colors

Hex(221B05)

Have a look what the booklet for  
Hex(221B05) contains.

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# Color

Hex(221B05)

# Conversions

## Conversions Part 1

Format	Color
Hex	221B05
RGB	34, 27, 5
RGB Percent	13%, 11%, 2%
CMY	0.8667, 0.8941, 0.9804
CMYK	0.00, 0.21, 0.85, 0.87
HSL	46°, 74%, 8%
HSV	46°, 85%, 13%
XYZ	1.0790, 1.1349, 0.3058
YIQ	26.5850, 11.2340, -5.3580

# Conversions

## Conversions Part 2

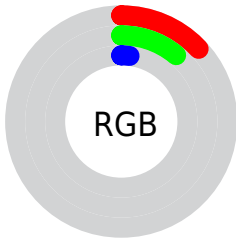
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	14, 34, 5
Decimal	2235141
CIE <sub>Lab</sub>	10.07, 0.01, 12.99
CIE <sub>LCh</sub>	10, 12.985, 89.951
Yxy	1.1349, 0.4282, 0.4504
Android (android.graphics.Color)	4280425221 (0xFF221B05)
YUV	26.5850, -10.6414, 6.5030
Hunter-Lab	10.6532, -0.5636, 5.7555

# Details

The Hex color **221B05** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **050C22**, and the grayscale version is **1B1B1B**.

A 20% lighter version of the original color is **4E4633**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **221A02**, and if you desaturate by 10%, it is **221C08**.

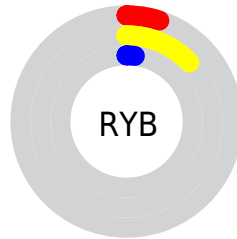
# Distribution



Red (13%)

Green (11%)

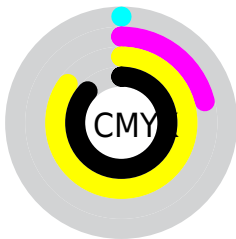
Blue (2%)



Red (5%)

Yellow (13%)

Blue (2%)

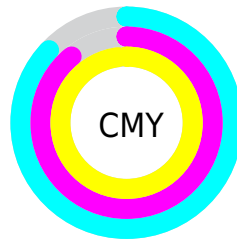


Cyan (0%)

Magenta (21%)

Yellow (85%)

Black (87%)



Cyan (87%)

Magenta (89%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 221B05 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 221B05 by changing the saturation by 10% instead.



 221B05

 221B05

 FFFEE6

 000000

 4E4633

 675E49

 807661

 9A907A

 B5AA94

 D1C6AE

 EDE2CA

 221B05

 221B05

■ 221A02

■ 221C08

■ 221A00

■ 221D0C

■ 221D0F

■ 221E13

■ 221F16

■ 222019

■ 22211D

■ 222220

■ 222224

# Harmonies

## Analogous

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



29180A



221B05



191E09

# Triad

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



221B05



002024



271625

# Complementary

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



221B05



050C22

# 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.



1C192B



221B05



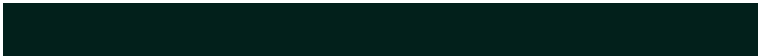
001F2B

# Square

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



221B05



02201B



0E1C2D



2C151C

# Rectangle

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



221B05



121F0F



0E1C2D



241727



# Sweetspot

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



221B05



2B2920



22050C



171510



969696



171717



# Same Dimension

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



221B05



2B2100



1B2205



121110



523E00



D19F00



# Inverse Universe

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



050C22



000A2B



0C0522



101012



001452

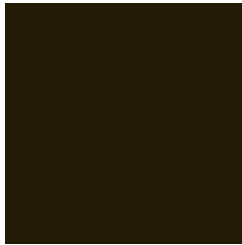


0032D1



# Previews

## White Background



This preview shows how the Hex color 221B05 looks on a white background.

## Color Contrast Check

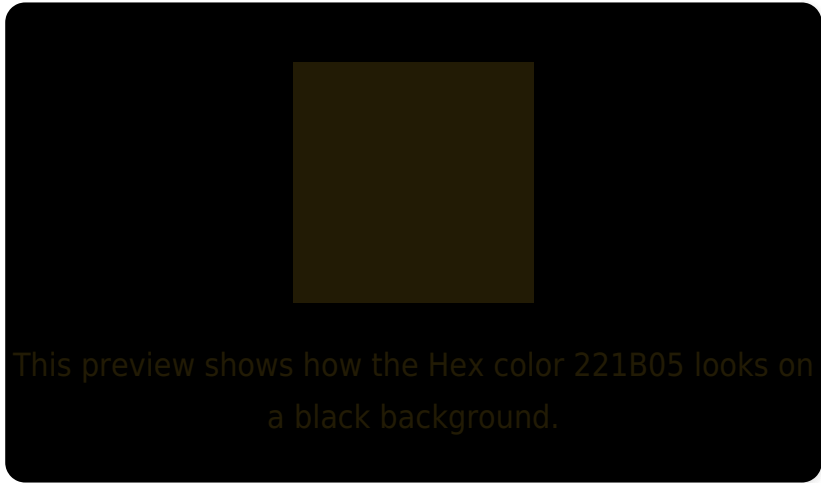
Large Text (above 18pt) WCAG AA ✓ Pass

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

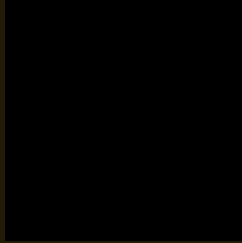
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 221B05 Background



This preview shows how black text looks on a background with the Hex color 221B05.

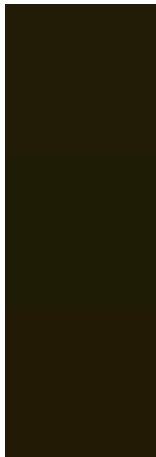


This preview shows how white text looks on a background with the Hex color 221B05.

# 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**  
221B05

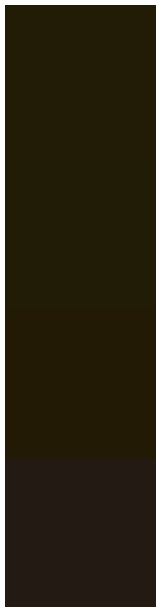
**Protanopia**  
1F1C05

**Deuteranopia**  
231A05



**Tritanopia**  
23191B

# Trichromacy



**Original Color**

221B05

**Protanomaly**

201C05

**Deuteranomaly**

231A05

**Tritanomaly**

231A13

# Monochromacy



**Original Color**

221B05

**Achromatopsia**

1B1B1B

**Achromatomaly**

1E1B13

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 221B05 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 #221B05 looks like.

```
.text, #text, p{  
    color:#221B05  
}
```

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 #221B05 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #221B05
}
```

## Border

The CSS property to change the border of an element to Hex 221B05 is called "border". The border property can be set on classes, ids or directly on the HTML element.

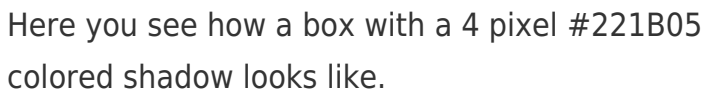
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#221B05 }
```

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

```
.border{ border-color:#221B05 }
```

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



Here you see how a box with a 4 pixel #221B05 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #221B05; -webkit-box-shadow:4px 4px  
4px 4px #221B05; box-shadow:4px 4px 4px  
4px #221B05 }
```

# Background

The CSS property to change the background color of an element to Hex 221B05 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#221B05 }
```

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

```
.background{ background-color:#221B05 }
```

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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