

# Converting Colors

Hex(210C0B)

Have a look what the booklet for  
Hex(210C0B) contains.

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# Color

**Hex(210C0B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	210C0B
RGB	33, 12, 11
RGB Percent	13%, 5%, 4%
CMY	0.8706, 0.9529, 0.9569
CMYK	0.00, 0.64, 0.67, 0.87
HSL	3°, 50%, 9%
HSV	3°, 67%, 13%
XYZ	0.8191, 0.6104, 0.3913
YIQ	18.1650, 12.8370, 4.1410

# Conversions

## Conversions Part 2

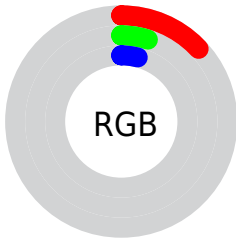
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 12, 11
Decimal	2165771
CIE Lab	5.51, 9.79, 3.91
CIE LCh	6, 10.538, 21.784
Yxy	0.6104, 0.4498, 0.3353
Android (android.graphics.Color)	4280355851 (0xFF210C0B)
YUV	18.1650, -3.5323, 13.0103
Hunter-Lab	7.8131, 5.0401, 2.5000

# Details

The Hex color **210C0B** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **0B2021**, and the grayscale version is **121212**.

A 20% lighter version of the original color is **4D3737**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **210908**, and if you desaturate by 10%, it is **210F0E**.

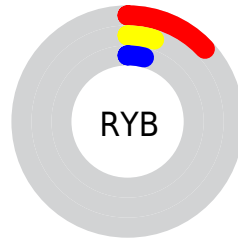
# Distribution



Red (13%)

Green (5%)

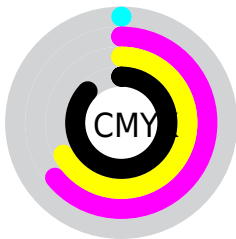
Blue (4%)



Red (13%)

Yellow (5%)

Blue (4%)

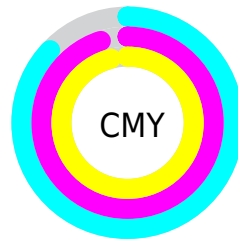


Cyan (0%)

Magenta (64%)

Yellow (67%)

Black (87%)



Cyan (87%)

Magenta (95%)

Yellow (96%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 210C0B 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 210C0B by changing the saturation by 10% instead.



 210C0B

 210C0B

 FFECEB

 000000

 4D3737

 654E4E

 7F6666

 997F7F

 B49998

 CFB4B3

 ECCFCF

 210C0B

 210C0B

■ 210908

■ 210F0E

■ 210604

■ 211212

■ 210301

■ 211515

■ 210100

■ 211918

■ 211C1C

■ 211F1F

■ 212222

■ 212525

■ 212829

# Harmonies

## Analogous

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



1F0C15



210C0B



200E00

# Triad

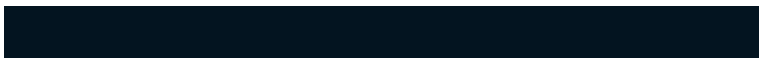
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



210C0B



061604



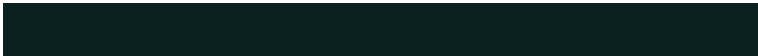
031420

# Complementary

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



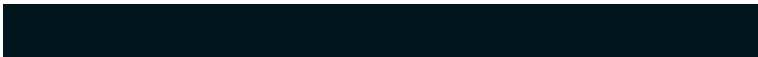
210C0B



0B2021

# 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.



00161D



210C0B



00170F

# Square

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



210C0B



131400



001718



11111F

# Rectangle

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



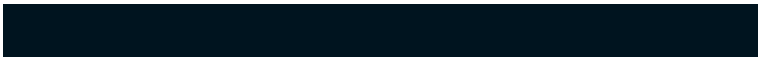
210C0B



1D1000



001718



00141F



# Sweetspot

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



210C0B



2B2323



210B20



171211



969696



171717



# Same Dimension

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



210C0B



2B0A09



21170B



0F0E0E



4F0400



CF0900



# Inverse Universe

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



0B2021



092A2B



0B1521



0E0F0F



004B4F

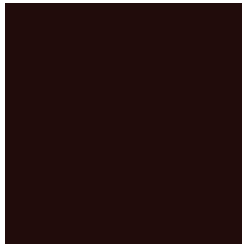


00C5CF



# Previews

## White Background



This preview shows how the Hex color 210C0B looks on a white background.

## Color Contrast Check

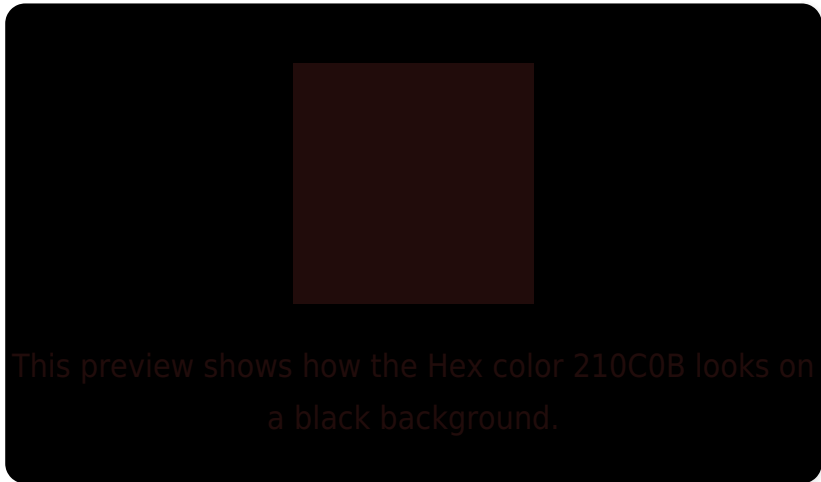
Large Text (above 18pt) WCAG AA ✓ Pass

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

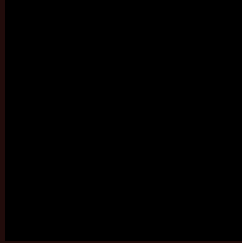
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 210C0B Background



This preview shows how black text looks on a background with the Hex color 210C0B.



This preview shows how white text looks on a background with the Hex color 210C0B.

# 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**  
210C0B

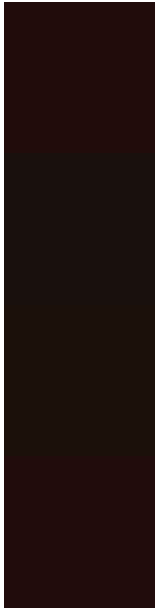
**Protanopia**  
15130E

**Deuteranopia**  
18120A



**Tritanopia**  
210C0C

# Trichromacy



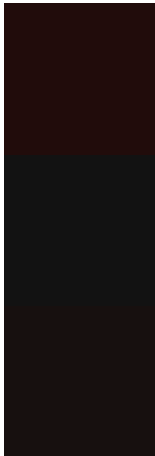
**Original Color**  
210C0B

**Protanomaly**  
19100D

**Deuteranomaly**  
1B100A

**Tritanomaly**  
210C0C

# Monochromacy



**Original Color**  
210C0B

**Achromatopsia**  
121212

**Achromatomaly**  
17100F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 210C0B 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 #210C0B looks like.

```
.text, #text, p{  
    color:#210C0B  
}
```

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 #210C0B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #210C0B
}
```

## Border

The CSS property to change the border of an element to Hex 210C0B is called "border". The border property can be set on classes, ids or directly on the HTML element.

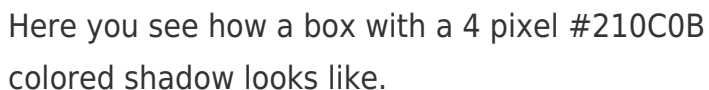
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#210C0B }
```

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

```
.border{ border-color:#210C0B }
```

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



Here you see how a box with a 4 pixel #210C0B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #210C0B; -webkit-box-shadow:4px 4px  
4px 4px #210C0B; box-shadow:4px 4px 4px  
4px #210C0B }
```

# Background

The CSS property to change the background color of an element to Hex 210C0B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#210C0B }
```

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

```
.background{ background-color:#210C0B }
```

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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