

# Converting Colors

Hex(42120B)

Have a look what the booklet for  
Hex(42120B) contains.

<b>Hex(42120B)</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(42120B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42120B
RGB	66, 18, 11
RGB Percent	26%, 7%, 4%
CMY	0.7412, 0.9294, 0.9569
CMYK	0.00, 0.73, 0.83, 0.74
HSL	8°, 71%, 15%
HSV	8°, 83%, 26%
XYZ	2.5235, 1.6150, 0.4953
YIQ	31.5540, 30.8550, 7.9990

# Conversions

## Conversions Part 2

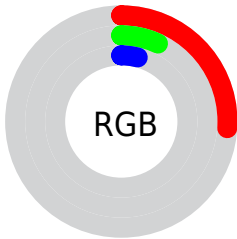
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	66, 19, 11
Decimal	4329995
CIE Lab	13.32, 22.78, 15.88
CIE LCh	13, 27.767, 34.890
Yxy	1.6150, 0.5446, 0.3485
Android (android.graphics.Color)	4282520075 (0xFF42120B)
YUV	31.5540, -10.1331, 30.2091
Hunter-Lab	12.7084, 13.2048, 6.5849

# Details

The Hex color **42120B** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **0B3B42**, and the grayscale version is **202020**.

A 20% lighter version of the original color is **763F36**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **420C04**, and if you desaturate by 10%, it is **421812**.

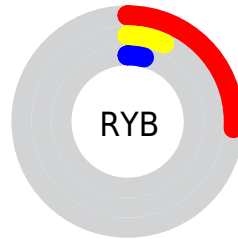
# Distribution



Red (26%)

Green (7%)

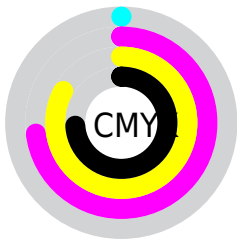
Blue (4%)



Red (26%)

Yellow (7%)

Blue (4%)

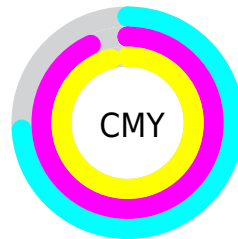


Cyan (0%)

Magenta (73%)

Yellow (83%)

Black (74%)



Cyan (74%)

Magenta (93%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42120B 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 42120B by changing the saturation by 10% instead.



 42120B

 42120B

 FFF8EB

 2B0000

 763F36

 000000

 91574D

 AD7065

 C98A7E

 E6A498

 FFBFB3

 FFDBCE

 42120B

 42120B

■ 420C04

■ 421812

■ 420800

■ 421E18

■ 42231F

■ 422925

■ 422F2C

■ 423533

■ 423A39

■ 424040

■ 424646

# Harmonies

## Analogous

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



440D20



42120B



381B00

# Triad

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



42120B



002A11



002449

# Complementary

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



42120B



0B3B42

# 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.



002845



42120B



002B25

# Square

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



42120B



172700



002B38



261C42

# Rectangle

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



42120B



2F2000



002B38



002649



# Sweetspot

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



42120B



574441



420B3C



2B201E



ABABAB



2B2B2B



# Same Dimension

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



42120B



570B00



422D0B



211E1E



610C00



E01D00



# Inverse Universe

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



0B3B42



004C57



0B2042



1E2121



005561

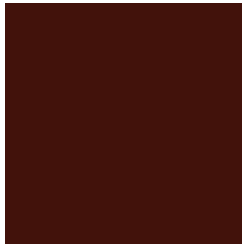


00C4E0



# Previews

## White Background



This preview shows how the Hex color 42120B 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

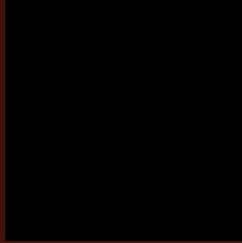
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 42120B Background



This preview shows how black text looks on a background with the Hex color 42120B.

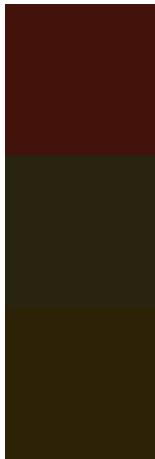


This preview shows how white text looks on a background with the Hex color 42120B.

# 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**  
42120B

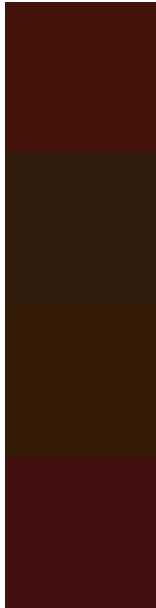
**Protanopia**  
282410

**Deuteranopia**  
2D2205



**Tritanopia**  
421112

# Trichromacy



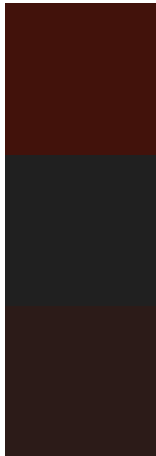
**Original Color**  
42120B

**Protanomaly**  
311D0E

**Deuteranomaly**  
351C07

**Tritanomaly**  
42110F

# Monochromacy



**Original Color**  
42120B

**Achromatopsia**  
202020

**Achromatomaly**  
2C1B18

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42120B 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 #42120B looks like.

```
.text, #text, p{  
    color:#42120B  
}
```

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 #42120B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42120B
}
```

## Border

The CSS property to change the border of an element to Hex 42120B 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".

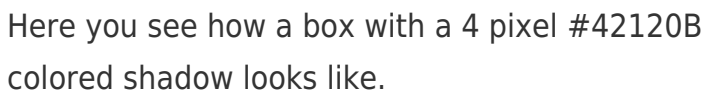
```
.border, #border, table{ border:4px solid
#42120B }
```

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

```
.border{ border-color:#42120B }
```

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

Here you see how a box with a 4 pixel #42120B colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42120B; -webkit-box-shadow:4px 4px  
4px 4px #42120B; box-shadow:4px 4px 4px  
4px #42120B }
```

# Background

The CSS property to change the background color of an element to Hex 42120B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42120B }
```

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

```
.background{ background-color:#42120B }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor