

# Converting Colors

Hex(2C240A)

Have a look what the booklet for  
Hex(2C240A) contains.

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# Color

**Hex(2C240A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2C240A
RGB	44, 36, 10
RGB Percent	17%, 14%, 4%
CMY	0.8275, 0.8588, 0.9608
CMYK	0.00, 0.18, 0.77, 0.83
HSL	46°, 63%, 11%
HSV	46°, 77%, 17%
XYZ	1.7244, 1.8191, 0.5474
YIQ	35.4280, 13.1140, -6.3900

# Conversions

## Conversions Part 2

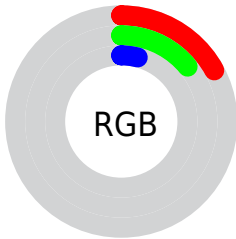
Format	Color
<a href="#">RYB</a>	20, 44, 10
Decimal	2892810
CIELab	14.51, -0.12, 17.18
CIELCh	15, 17.184, 90.395
Yxy	1.8191, 0.4215, 0.4447
Android (android.graphics.Color)	4281082890 (0xFF2C240A)
YUV	35.4280, -12.5360, 7.5176
Hunter-Lab	13.4875, -0.7822, 7.0349

# Details

The Hex color **2C240A** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **0A122C**, and the grayscale version is **242424**.

A 20% lighter version of the original color is **5B5036**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2C2306**, and if you desaturate by 10%, it is **2C250E**.

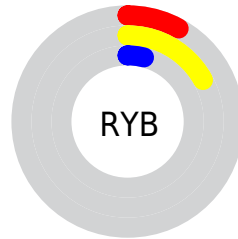
# Distribution



Red (17%)

Green (14%)

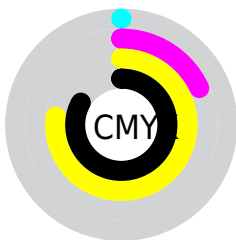
Blue (4%)



Red (8%)

Yellow (17%)

Blue (4%)

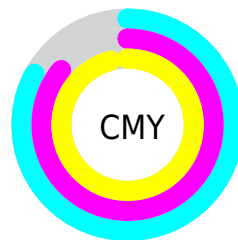


Cyan (0%)

Magenta (18%)

Yellow (77%)

Black (83%)



Cyan (83%)

Magenta (86%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2C240A 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 2C240A by changing the saturation by 10% instead.



 2C240A

 2C240A

 FFFFEA

 150F00

 5B5036

 000000

 74684D

 8E8165

 A89B7E

 C4B698

 E0D2B3

 FDEECE

 2C240A

 2C240A

■ 2C2306

■ 2C250E

■ 2C2201

■ 2C2613

■ 2C2200

■ 2C2717

■ 2C281C

■ 2C2920

■ 2C2A24

■ 2C2B29

■ 2C2C2D

■ 2C2D32

# Harmonies

## Analogous

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



35200F



2C240A



20280F

# Triad

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



2C240A



002B30



341D31

# Complementary

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



2C240A



0A122C

# 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.



262139



2C240A



002939

# Square

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



2C240A



002B24



10263D



3B1B25

# Rectangle

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



2C240A



162915



10263D



301E34



# Sweetspot

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



2C240A



38352B



2C0A12



1C1A14



9C9C9C



1C1C1C



# Same Dimension

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



2C240A



382C04



242C0A



171615



574200



D6A400



# Inverse Universe

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



0A122C



041038



120A2C



151517



001457

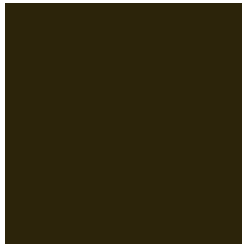


0032D6



# Previews

## White Background



This preview shows how the Hex color 2C240A looks on a white background.

## Color Contrast Check

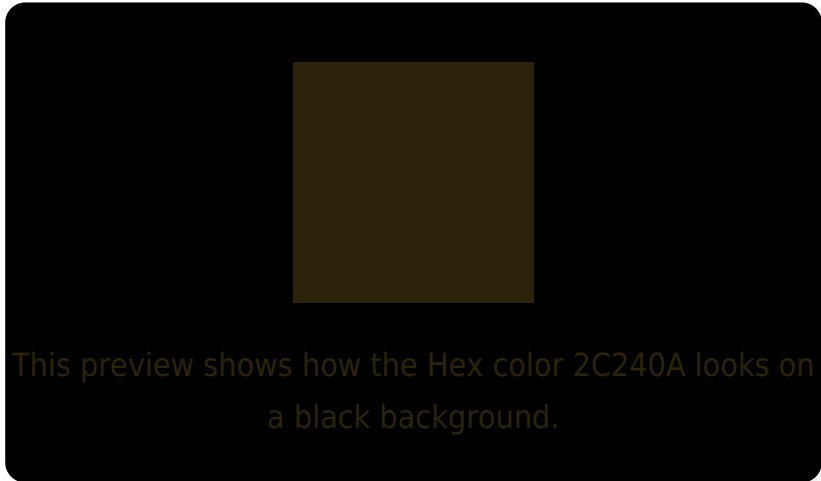
Large Text (above 18pt) WCAG AA ✓ Pass

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

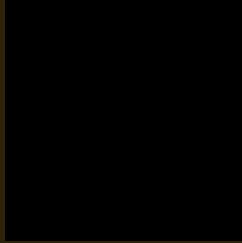
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2C240A Background



This preview shows how black text looks on a background with the Hex color 2C240A.

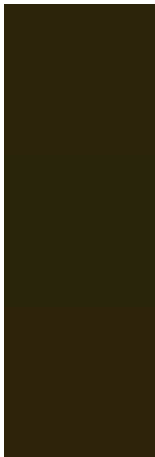


This preview shows how white text looks on a background with the Hex color 2C240A.

# 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**  
2C240A

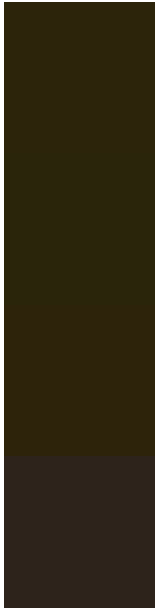
**Protanopia**  
29250A

**Deuteranopia**  
2E230A



**Tritanopia**  
2E2224

# Trichromacy



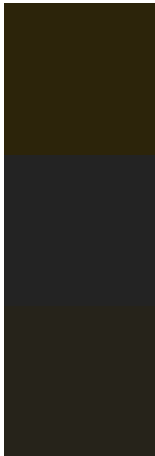
**Original Color**  
2C240A

**Protanomaly**  
2A250A

**Deuteranomaly**  
2D230A

**Tritanomaly**  
2D231B

# Monochromacy



**Original Color**  
2C240A

**Achromatopsia**  
232323

**Achromatomaly**  
26231A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2C240A 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 #2C240A looks like.

```
.text, #text, p{  
    color:#2C240A  
}
```

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 #2C240A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2C240A
}
```

## Border

The CSS property to change the border of an element to Hex 2C240A is called "border". The border property can be set on classes, ids or directly on the HTML element.

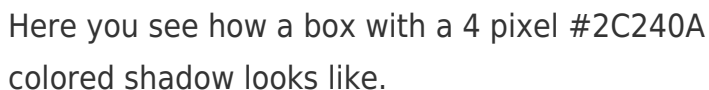
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2C240A }
```

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

```
.border{ border-color:#2C240A }
```

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



Here you see how a box with a 4 pixel #2C240A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2C240A; -webkit-box-shadow:4px 4px  
4px 4px #2C240A; box-shadow:4px 4px 4px  
4px #2C240A }
```

# Background

The CSS property to change the background color of an element to Hex 2C240A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2C240A }
```

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

```
.background{ background-color:#2C240A }
```

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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