

# Converting Colors

Hex(2B440C)

Have a look what the booklet for  
Hex(2B440C) contains.

<b>Hex(2B440C)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(2B440C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2B440C
RGB	43, 68, 12
RGB Percent	17%, 27%, 5%
CMY	0.8314, 0.7333, 0.9529
CMYK	0.37, 0.00, 0.82, 0.73
HSL	87°, 70%, 16%
HSV	87°, 82%, 27%
XYZ	3.1297, 4.6744, 1.0851
YIQ	54.1410, 3.0760, -22.7160

# Conversions

## Conversions Part 2

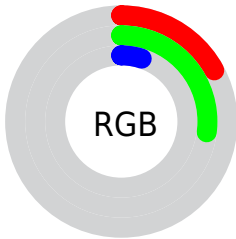
<b>Format</b>	<b>Color</b>
<b>RYB</b>	12, 68, 37
Decimal	2835468
CIELab	25.79, -19.85, 29.01
CIELCh	26, 35.149, 124.389
Yxy	4.6744, 0.3521, 0.5258
Android (android.graphics.Color)	4281025548 (0xFF2B440C)
YUV	54.1410, -20.7755, -9.7707
Hunter-Lab	21.6203, -11.9960, 12.1585

# Details

The Hex color **2B440C** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **250C44**, and the grayscale version is **363636**.

A 20% lighter version of the original color is **5B743A**, and **001B00** is the 20% darker color. If you saturate the color by 10%, you get **284405**, and if you desaturate by 10%, it is **2E4413**.

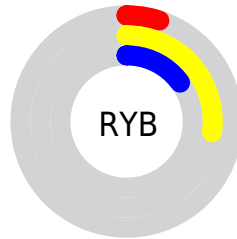
# Distribution



Red (17%)

Green (27%)

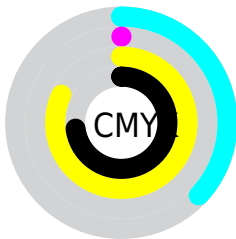
Blue (5%)



Red (5%)

Yellow (27%)

Blue (15%)

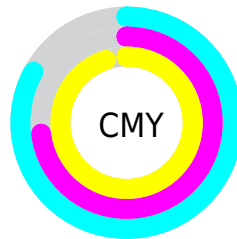


Cyan (37%)

Magenta (0%)

Yellow (82%)

Black (73%)



Cyan (83%)

Magenta (73%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B440C 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 2B440C by changing the saturation by 10% instead.



 2B440C

 2B440C

 FFFFF2

 162D00

 5B743A

 001B00

 748E52

 000000

 8FA86B

 AAC484

 C5E09F

 E1FCBA

 FEFFD6

 2B440C

 2B440C

■ 284405

■ 2E4413

■ 264400

■ 31441A

■ 344420

■ 374427

■ 3A442E

■ 3D4435

■ 40443C

■ 434442

■ 464449

# Harmonies

## Analogous

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



473D00



2B440C



004825

# Triad

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



2B440C



00466D



6C223A

# Complementary

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



2B440C



250C44

# 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.



602855



2B440C



003F72

# Square

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



2B440C



00495B



423469



6A2820

# Rectangle

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



2B440C



004937



423469



6A2343



# Sweetspot

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



2B440C



4F5943



44240C



282E20



ADADAD



2E2E2E



# Same Dimension

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



2B440C



325901



10440C



20211E



366100



7CE000



# Inverse Universe

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



250C44



280159



400C44



1F1E21



2B0061

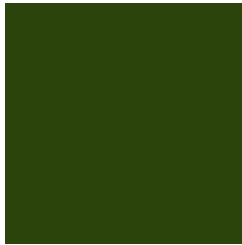


6400E0



# Previews

## White Background



This preview shows how the Hex color 2B440C looks on a white background.

## Color Contrast Check

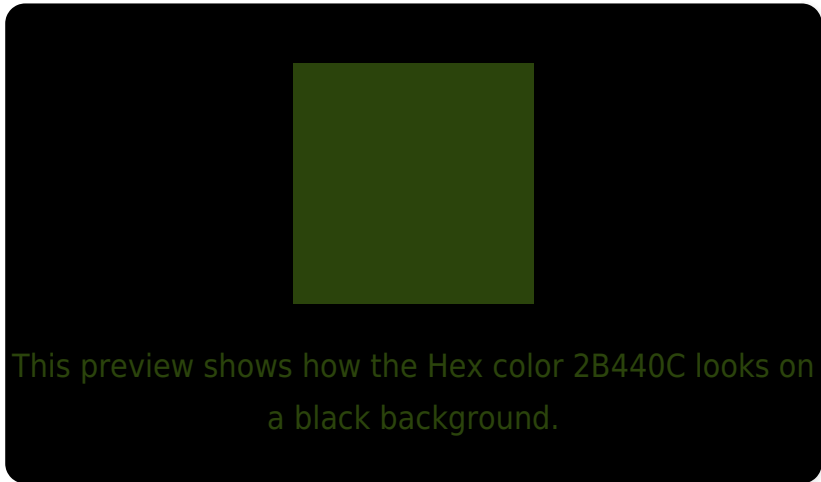
Large Text (above 18pt) WCAG AA ✓ Pass

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

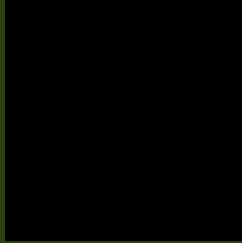
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2B440C Background



This preview shows how black text looks on a background with the Hex color 2B440C.



This preview shows how white text looks on a background with the Hex color 2B440C.

# 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**  
2B440C

**Protanopia**  
453D0A

**Deuteranopia**  
4D3A11



**Tritanopia**  
323F44

# Trichromacy



**Original Color**  
2B440C

**Protanomaly**  
3C400B

**Deuteranomaly**  
413E0F

**Tritanomaly**  
2F4130

# Monochromacy



**Original Color**  
2B440C

**Achromatopsia**  
363636

**Achromatomaly**  
323B27

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B440C 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 #2B440C looks like.

```
.text, #text, p{  
    color:#2B440C  
}
```

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 #2B440C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B440C
}
```

## Border

The CSS property to change the border of an element to Hex 2B440C 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".

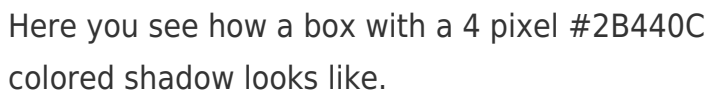
```
.border, #border, table{ border:4px solid
#2B440C }
```

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

```
.border{ border-color:#2B440C }
```

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

Here you see how a box with a 4 pixel #2B440C colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B440C; -webkit-box-shadow:4px 4px  
4px 4px #2B440C; box-shadow:4px 4px 4px  
4px #2B440C }
```

# Background

The CSS property to change the background color of an element to Hex 2B440C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B440C }
```

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

```
.background{ background-color:#2B440C }
```

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