

# Converting Colors

Hex(42400C)

Have a look what the booklet for  
Hex(42400C) contains.

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**Color**

**Hex(42400C)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	42400C
RGB	66, 64, 12
RGB Percent	26%, 25%, 5%
CMY	0.7412, 0.7490, 0.9529
CMYK	0.00, 0.03, 0.82, 0.74
HSL	58°, 69%, 15%
HSV	58°, 82%, 26%
XYZ	4.1465, 4.8516, 1.0657
YIQ	58.6700, 17.8840, -15.7480

# Conversions

## Conversions Part 2

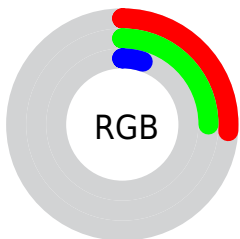
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	14, 66, 12
Decimal	4341772
CIE <sub>Lab</sub>	26.31, -6.34, 30.16
CIE <sub>LCh</sub>	26, 30.823, 101.879
Yxy	4.8516, 0.4120, 0.4821
Android (android.graphics.Color)	4282531852 (0xFF42400C)
YUV	58.6700, -23.0083, 6.4284
Hunter-Lab	22.0263, -4.9429, 12.5497

# Details


The Hex color **42400C** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **0C0E42**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **746F3A**, and **111600** is the 20% darker color. If you saturate the color by 10%, you get **424005**, and if you desaturate by 10%, it is **424013**.

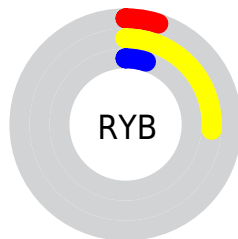
# Distribution



 Red (26%)

 Green (25%)

 Blue (5%)



 Red (5%)

 Yellow (26%)

 Blue (5%)

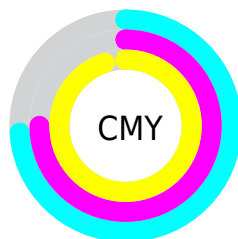



 Cyan (0%)


 Magenta (3%)

 Yellow (82%)

 Black (74%)



 Cyan (74%)

 Magenta (75%)

 Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42400C 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 42400C by changing the saturation by 10% instead.




 42400C

 42400C

 FFFFF2

 2B2A00

 746F3A

 111600

 8E8952

 000000

 A9A36B

 C5BE84

 E1DA9F

 FEF6BA

 FFFFD6

 42400C

 42400C

■ 424005

■ 424013

■ 424000

■ 424019

■ 424120

■ 424126

■ 42412D

■ 424134

■ 42423A

■ 424241

■ 424247

# Harmonies

## Analogous

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



563810



42400C



284619

# Triad

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



42400C



00495D



622B4D

# Complementary

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



42400C



0C0E42

# 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.



4C3461



42400C



00456B

# Square

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



42400C



004A47



233E6C



692936

# Rectangle

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



42400C



0D4827



233E6C



5C2E55



# Sweetspot

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



42400C



575641



420C0F



2B2B1E



ABABAB



2B2B2B



# Same Dimension

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



42400C



575402



2A420C



21211E



615D00



E0D800



# Inverse Universe

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



0C0E42



020557



240C42



1E1E21



000461

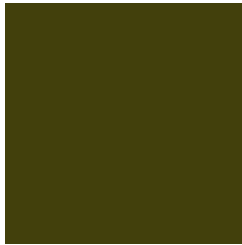


0008E0



# Previews

## White Background



This preview shows how the Hex color 42400C 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

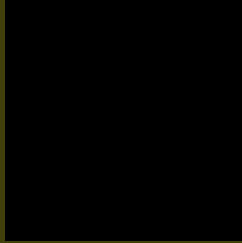
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 42400C Background



This preview shows how black text looks on a background with the Hex color 42400C.



This preview shows how white text looks on a background with the Hex color 42400C.

# 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](#).

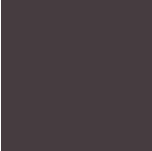
## Dichromacy



**Original Color**  
42400C

**Protanopia**  
463F0C

**Deuteranopia**  
4F3B0F



**Tritanopia**  
463C40

# Trichromacy



**Original Color**  
42400C

**Protanomaly**  
453F0C

**Deuteranomaly**  
4A3D0E

**Tritanomaly**  
453D2D

# Monochromacy



**Original Color**  
42400C

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
3E3D2A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42400C 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 #42400C looks like.

```
.text, #text, p{  
    color:#42400C  
}
```

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 #42400C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42400C
}
```

## Border

The CSS property to change the border of an element to Hex 42400C 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".

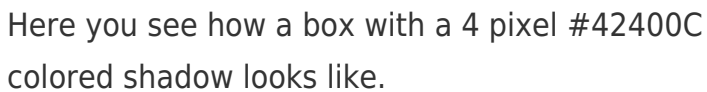
```
.border, #border, table{ border:4px solid
#42400C }
```

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

```
.border{ border-color:#42400C }
```

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

Here you see how a box with a 4 pixel #42400C colored shadow looks like.

A rectangular box with a dark olive green border and a matching shadow. The box is white with a thin dark border. The shadow is a dark olive green color, matching the border color, and is applied to the bottom and right sides of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42400C; -webkit-box-shadow:4px 4px  
4px 4px #42400C; box-shadow:4px 4px 4px  
4px #42400C }
```

# Background

The CSS property to change the background color of an element to Hex 42400C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42400C }
```

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

```
.background{ background-color:#42400C }
```

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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