

# Converting Colors

Hex(00421B)

Have a look what the booklet for  
Hex(00421B) contains.

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# Color

**Hex(00421B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00421B
RGB	0, 66, 27
RGB Percent	0%, 26%, 11%
CMY	1.0000, 0.7412, 0.8941
CMYK	1.00, 0.00, 0.59, 0.74
HSL	145°, 100%, 13%
HSV	145°, 100%, 26%
XYZ	2.1460, 3.9756, 1.6912
YIQ	41.8200, -26.8170, -26.1210

# Conversions

## Conversions Part 2

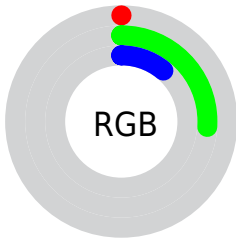
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 47, 66
Decimal	16923
CIELab	23.59, -29.33, 18.36
CIELCh	24, 34.601, 147.955
Yxy	3.9756, 0.2747, 0.5089
Android (android.graphics.Color)	4278207003 (0xFF00421B)
YUV	41.8200, -7.3063, -36.6761
Hunter-Lab	19.9388, -15.6807, 8.9283

# Details

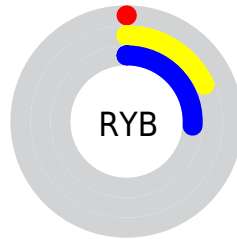
The Hex color **00421B** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **420027**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **397347**, and **001500** is the 20% darker color. If you saturate the color by 10%, you get **00421B**, and if you desaturate by 10%, it is **07421F**.

# Distribution



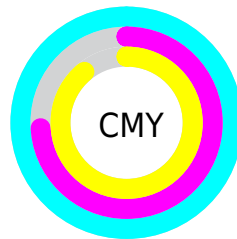
- Red (0%)
- Green (26%)
- Blue (11%)



- Red (0%)
- Yellow (18%)
- Blue (26%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (74%)



- Cyan (100%)
- Magenta (74%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00421B 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 00421B by changing the saturation by 10% instead.



 00421B

 00421B

 F6FFFF

 002B03

 397347

 001500

 528D5F

 000000

 6CA778

 86C392

 A1DFAD

 BDFCC8

 D9FFE4

 00421B

■ 07421F

■ 0D4223

■ 144227

■ 1A422B

■ 21422F

■ 284232

■ 2E4236

■ 35423A

■ 3B423E

# Harmonies

## Analogous

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



2D3E03



00421B



004436

# Triad

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



00421B



003C6C



652122

# Complementary

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



00421B



420027

# 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.



651E3B



00421B



343266

# Square

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



00421B



004264



552654



5A2C0A

# Rectangle

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



00421B



004447



552654



661F2A



# Sweetspot

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



00421B



3D5747



284200



1C2B22



ABABAB



2B2B2B



# Same Dimension

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



00421B



005723



00423B



1E211F



006128



00E05C



# Inverse Universe

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



420027



570033



420007



211E20



610039



E00085



# Previews

## White Background



This preview shows how the Hex color 00421B looks on a white background.

## Color Contrast Check

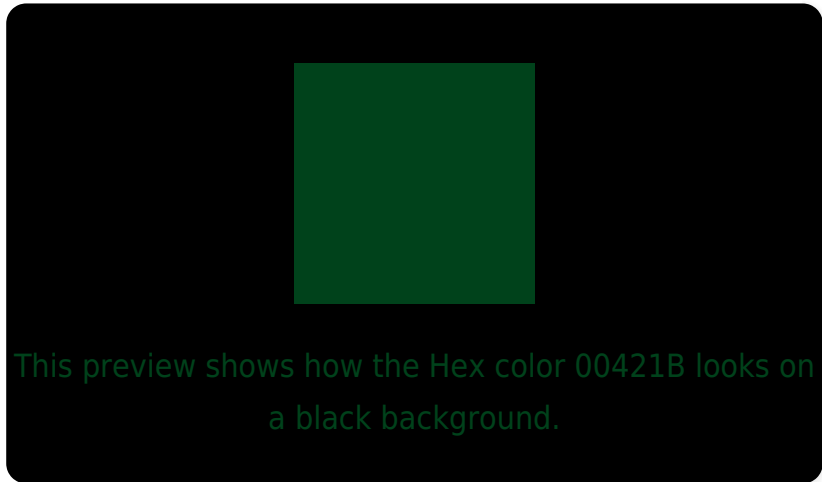
Large Text (above 18pt) WCAG AA ✓ Pass

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

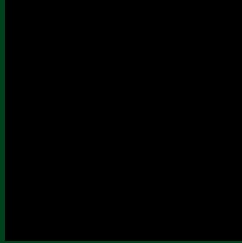
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00421B Background



This preview shows how black text looks on a background with the Hex color 00421B.



This preview shows how white text looks on a background with the Hex color 00421B.

# 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**  
00421B

**Protanopia**  
3F3918

**Deuteranopia**  
45361E



**Tritanopia**  
1A3E43

# Trichromacy



**Original Color**  
00421B

**Protanomaly**  
283C19

**Deuteranomaly**  
2C3A1D

**Tritanomaly**  
113F34

# Monochromacy



**Original Color**  
00421B

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
1B3325

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00421B 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 #00421B looks like.

```
.text, #text, p{  
    color:#00421B  
}
```

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 #00421B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00421B
}
```

## Border

The CSS property to change the border of an element to Hex 00421B 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".

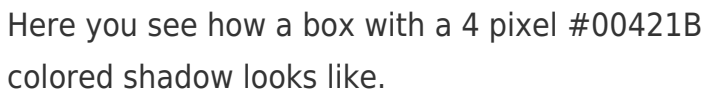
```
.border, #border, table{ border:4px solid
#00421B }
```

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

```
.border{ border-color:#00421B }
```

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

Here you see how a box with a 4 pixel #00421B colored shadow looks like.

A rectangular box with a dark green border and a dark green shadow. The box is white with a thin dark green border on the top and left sides, and a thicker dark green shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00421B; -webkit-box-shadow:4px 4px  
4px 4px #00421B; box-shadow:4px 4px 4px  
4px #00421B }
```

# Background

The CSS property to change the background color of an element to Hex 00421B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00421B }
```

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

```
.background{ background-color:#00421B }
```

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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