

# Converting Colors

Hex(40421B)

Have a look what the booklet for  
Hex(40421B) contains.

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**Color**

**Hex(40421B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	40421B
RGB	64, 66, 27
RGB Percent	25%, 26%, 11%
CMY	0.7490, 0.7412, 0.8941
CMYK	0.03, 0.00, 0.59, 0.74
HSL	63°, 42%, 18%
HSV	63°, 59%, 26%
XYZ	4.2604, 5.0655, 1.7901
YIQ	60.9560, 11.3270, -12.5530

# Conversions

## Conversions Part 2

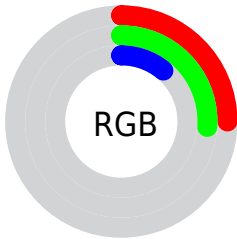
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	27, 66, 29
Decimal	4211227
CIE Lab	26.92, -7.39, 23.15
CIE LCh	27, 24.297, 107.708
Yxy	5.0655, 0.3833, 0.4557
Android (android.graphics.Color)	4282401307 (0xFF40421B)
YUV	60.9560, -16.7403, 2.6696
Hunter-Lab	22.5068, -5.5979, 11.0390

# Details

The Hex color **40421B** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **1D1B42**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **717248**, and **121800** is the 20% darker color. If you saturate the color by 10%, you get **404214**, and if you desaturate by 10%, it is **404222**.

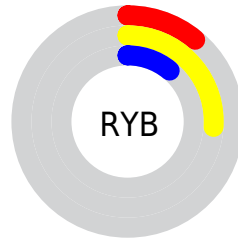
# Distribution



Red (25%)

Green (26%)

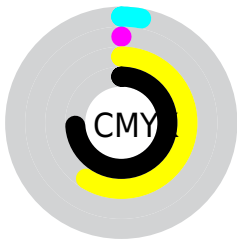
Blue (11%)



Red (11%)

Yellow (26%)

Blue (11%)

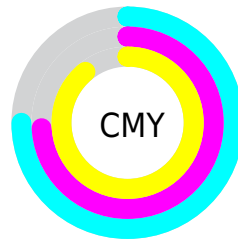


Cyan (3%)

Magenta (0%)

Yellow (59%)

Black (74%)



Cyan (75%)

Magenta (74%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40421B 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 40421B by changing the saturation by 10% instead.





40421B



40421B

FFFFFF



2A2C03



717248



121800



8B8B60



000000



A5A679



C1C193



DDCAE



FAF9C9



FFFFE5



40421B



40421B

■ 404214

■ 404222

■ 3F420E

■ 414228

■ 3F4207

■ 41422F

■ 3F4201

■ 414235

■ 3F4200

■ 42423C

■ 424243

■ 424249

■ 434250

■ 434256

# Harmonies

## Analogous

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



513C1B



40421B



2B4626

# Triad

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



40421B



00485B



5E3148

# Complementary

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



40421B



1D1B42

# 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.



4F3759



40421B



074464

# Square

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



40421B



00494A



353E63



633135

# Rectangle

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



40421B



194831



353E63



5A324E



# Sweetspot

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



40421B



565747



421D1B



2B2B22



ABABAB



2B2B2B



# Same Dimension

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



40421B



545719



2D421B



21211E



5C6100



D5E000



# Inverse Universe

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



1D1B42



1C1957



301B42



1E1E21



050061



0C00E0



# Previews

## White Background



This preview shows how the Hex color 40421B looks on a white background.

## Color Contrast Check

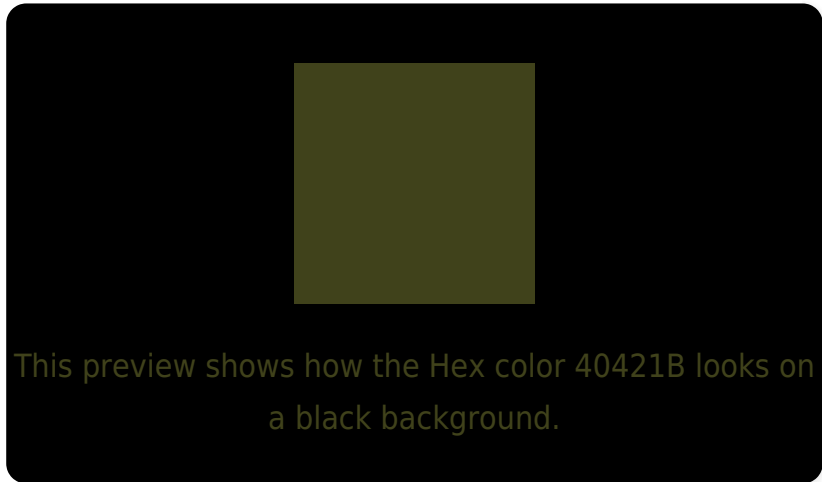
Large Text (above 18pt) WCAG AA ✓ Pass

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

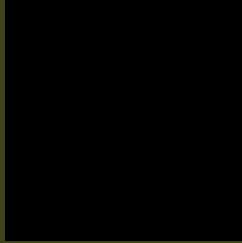
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 40421B Background



This preview shows how black text looks on a background with the Hex color 40421B.



This preview shows how white text looks on a background with the Hex color 40421B.

# 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**  
40421B

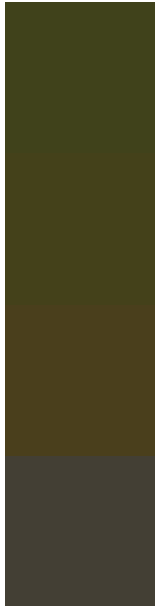
**Protanopia**  
47401A

**Deuteranopia**  
4F3D1D



**Tritanopia**  
443E43

# Trichromacy



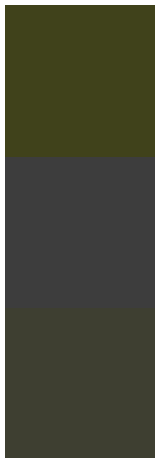
**Original Color**  
40421B

**Protanomaly**  
44411A

**Deuteranomaly**  
4A3F1C

**Tritanomaly**  
433F34

# Monochromacy



**Original Color**  
40421B

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
3E3F31

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40421B 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 #40421B looks like.

```
.text, #text, p{  
    color:#40421B  
}
```

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 #40421B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40421B
}
```

## Border

The CSS property to change the border of an element to Hex 40421B 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".

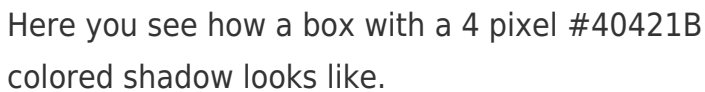
```
.border, #border, table{ border:4px solid
#40421B }
```

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

```
.border{ border-color:#40421B }
```

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

Here you see how a box with a 4 pixel #40421B colored shadow looks like.

A rectangular box with a dark blue border and a dark blue shadow. The box is white with a thin dark blue border. Below the box, there is a thick dark blue shadow that is wider on the right side, creating a 3D effect.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40421B; -webkit-box-shadow:4px 4px  
4px 4px #40421B; box-shadow:4px 4px 4px  
4px #40421B }
```

# Background

The CSS property to change the background color of an element to Hex 40421B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40421B }
```

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

```
.background{ background-color:#40421B }
```

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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