

# Converting Colors

Hex(46321B)

Have a look what the booklet for  
Hex(46321B) contains.

<b>Hex(46321B)</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(46321B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46321B
RGB	70, 50, 27
RGB Percent	27%, 20%, 11%
CMY	0.7255, 0.8039, 0.8941
CMYK	0.00, 0.29, 0.61, 0.73
HSL	32°, 44%, 19%
HSV	32°, 61%, 27%
XYZ	3.8642, 3.6624, 1.5402
YIQ	53.3580, 19.3030, -2.9130

# Conversions

## Conversions Part 2

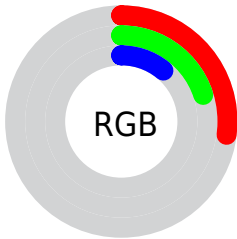
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">64, 70, 27</a>
Decimal	<a href="#">4600347</a>
CIELab	<a href="#">22.52, 5.88, 18.05</a>
CIELCh	<a href="#">23, 18.983, 71.950</a>
Yxy	<a href="#">3.6624, 0.4262, 0.4039</a>
Android (android.graphics.Color)	<a href="#">4282790427 (0xFF46321B)</a>
YUV	<a href="#">53.3580, -12.9945, 14.5950</a>
Hunter-Lab	<a href="#">19.1375, 2.5520, 8.6246</a>

# Details

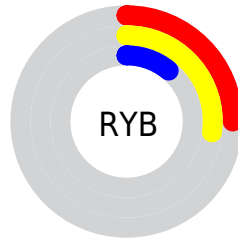
The Hex color **46321B** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **1B2F46**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **786047**, and **180400** is the 20% darker color. If you saturate the color by 10%, you get **462F14**, and if you desaturate by 10%, it is **463522**.

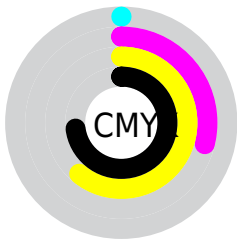
# Distribution



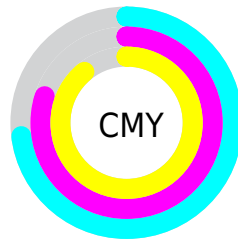
- Red (27%)
- Green (20%)
- Blue (11%)



- Red (25%)
- Yellow (27%)
- Blue (11%)



- Cyan (0%)
- Magenta (29%)
- Yellow (61%)
- Black (73%)



- Cyan (73%)
- Magenta (80%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46321B 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 46321B by changing the saturation by 10% instead.



 46321B

 46321B

FFFFFF

 2F1D02

 786047

 180400

 92795F

 000000

 AD9378

 C9AD91

 E5C9AC

 FFE5C7

 FFFF E3

 46321B

 46321B

■ 462F14

■ 463522

■ 462B0D

■ 463929

■ 462806

■ 463C30

■ 462500

■ 463F37

■ 46423E

■ 464645

■ 46494C

■ 464C53

■ 464F5A

# Harmonies

## Analogous

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



4F2D24



46321B



39371A

# Triad

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



46321B



003D3B



3F304B

# Complementary

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



46321B



1B2F46

# 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.



2A3551



46321B



003C48

# Square

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



46321B



173D2D



0D3A50



4C2C3F

# Rectangle

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



46321B



2F391D



0D3A50



38324E



# Sweetspot

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



46321B



5C544B



461B2F



2E2924



ADADAD



2E2E2E



# Same Dimension

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



46321B



5C3C18



45461B



242220



633500



E37900



# Inverse Universe

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



1B2F46



18375C



1C1B46



202224



002E63



006AE3



# Previews

## White Background



This preview shows how the Hex color 46321B looks on a white background.

## Color Contrast Check

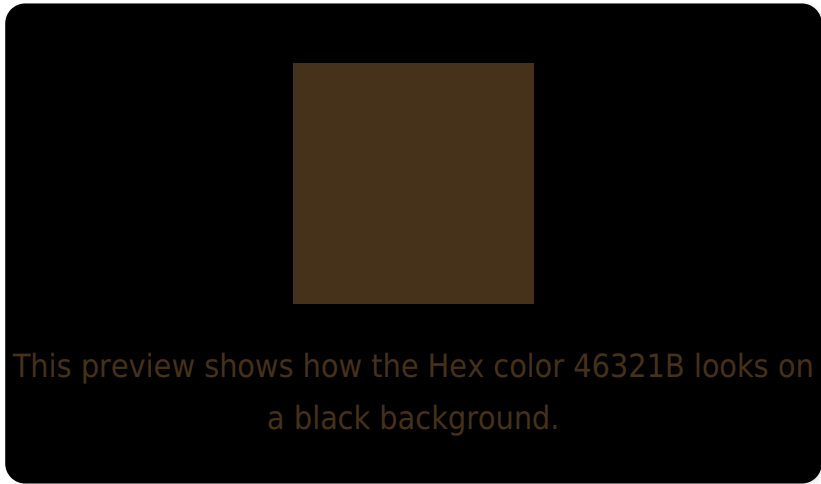
Large Text (above 18pt) WCAG AA ✓ Pass

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

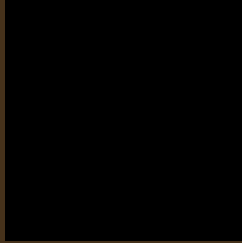
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 46321B Background



This preview shows how black text looks on a background with the Hex color 46321B.

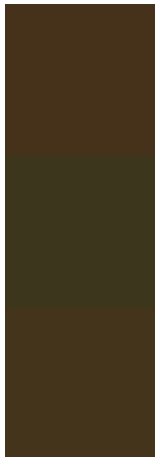


This preview shows how white text looks on a background with the Hex color 46321B.

# 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**  
46321B

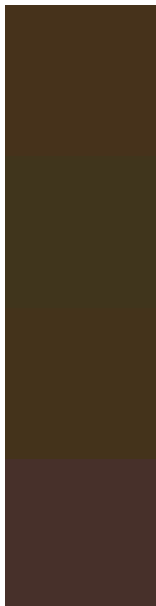
**Protanopia**  
3C361C

**Deuteranopia**  
43341B



**Tritanopia**  
482F33

# Trichromacy



**Original Color**

46321B

**Protanomaly**

40351C

**Deuteranomaly**

44331B

**Tritanomaly**

47302A

# Monochromacy



**Original Color**

46321B

**Achromatopsia**

353535

**Achromatomaly**

3B342C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46321B 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 #46321B looks like.

```
.text, #text, p{  
    color:#46321B  
}
```

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 #46321B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46321B
}
```

## Border

The CSS property to change the border of an element to Hex 46321B 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".

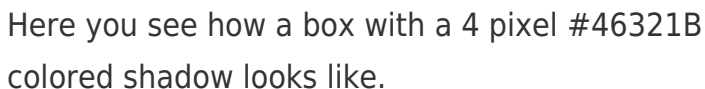
```
.border, #border, table{ border:4px solid
#46321B }
```

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

```
.border{ border-color:#46321B }
```

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

Here you see how a box with a 4 pixel #46321B colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46321B; -webkit-box-shadow:4px 4px  
4px 4px #46321B; box-shadow:4px 4px 4px  
4px #46321B }
```

# Background

The CSS property to change the background color of an element to Hex 46321B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46321B }
```

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

```
.background{ background-color:#46321B }
```

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