

# Converting Colors

Hex(45423C)

Have a look what the booklet for  
Hex(45423C) contains.

<b>Hex(45423C)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(45423C)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	45423C
RGB	69, 66, 60
RGB Percent	27%, 26%, 24%
CMY	0.7294, 0.7412, 0.7647
CMYK	0.00, 0.04, 0.13, 0.73
HSL	40°, 7%, 25%
HSV	40°, 13%, 27%
XYZ	5.2181, 5.4879, 5.0592
YIQ	66.2130, 3.7140, -1.2300

# Conversions

## Conversions Part 2

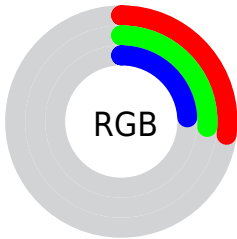
<b>Format</b>	<b>Color</b>
<b>RYB</b>	65, 69, 60
Decimal	4538940
CIELab	28.08, 0.02, 4.10
CIELCh	28, 4.102, 89.661
Yxy	5.4879, 0.3310, 0.3481
Android (android.graphics.Color)	4282729020 (0xFF45423C)
YUV	66.2130, -3.0630, 2.4442
Hunter-Lab	23.4262, -1.2360, 3.5939

# Details

The Hex color **45423C** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **3C3F45**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **75726B**, and **1A1712** is the 20% darker color. If you saturate the color by 10%, you get **454035**, and if you desaturate by 10%, it is **454443**.

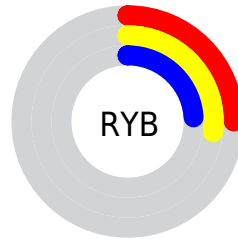
# Distribution



Red (27%)

Green (26%)

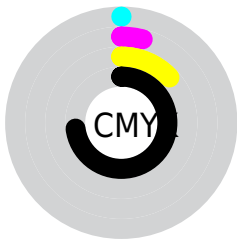
Blue (24%)



Red (25%)

Yellow (27%)

Blue (24%)

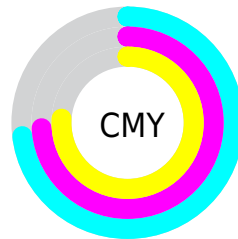


Cyan (0%)

Magenta (4%)

Yellow (13%)

Black (73%)



Cyan (73%)

Magenta (74%)

Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45423C 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 45423C by changing the saturation by 10% instead.



■ 45423C

■ 45423C

FFFFFF

■ 2F2C26

■ 75726B

■ 1A1712

■ 8F8B84

■ 000000

■ A9A69F

■ C5C1B9

■ E0DDD5

■ FDF9F2

■ 45423C

■ 45423C

■ 454035

■ 454443

■ 453D2E

■ 45474A

■ 453B27

■ 454951

■ 453920

■ 454B58

■ 453719

■ 454D5F

■ 453413

■ 455065

■ 45320C

■ 45526C

■ 453005

■ 455473

■ 452E00

■ 45577A

# Harmonies

## Analogous

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



48413D



45423C



41433D

# Triad

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



45423C



3B4445



464145

# Complementary

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



45423C



3C3F45

# 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.



434148



45423C



3C4348

# Square

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



45423C



3B4442



3F4348



494042

# Rectangle

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



45423C



3F443E



3F4348



454146



# Sweetspot

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



45423C



595856



453C3F



2E2D2C



ADADAD



2E2E2E



# Same Dimension

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



45423C



59544B



44453C



242320



634200



E39700



# Inverse Universe

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



3C3F45



4B5059



3D3C45



202124



002163



004CE3



# Previews

## White Background



This preview shows how the Hex color 45423C looks on a white background.

## Color Contrast Check

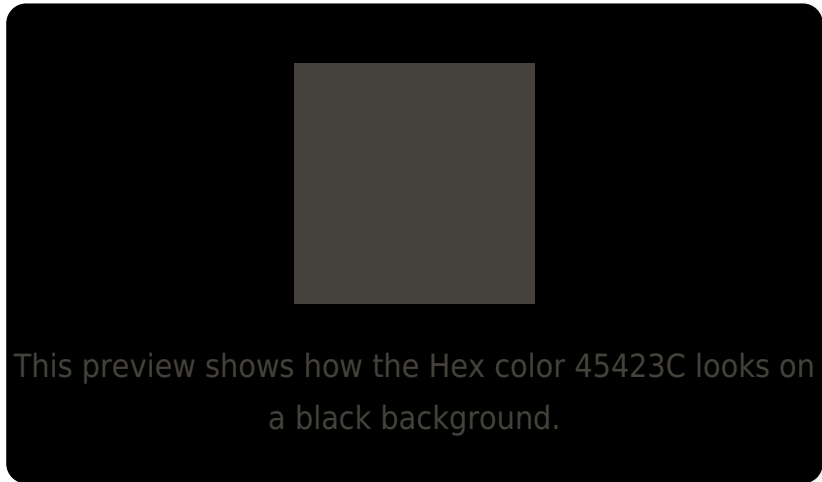
Large Text (above 18pt) WCAG AA ✓ Pass

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

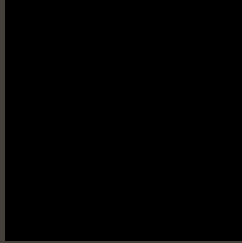
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 45423C Background



This preview shows how black text looks on a background with the Hex color 45423C.



This preview shows how white text looks on a background with the Hex color 45423C.

# 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**  
45423C

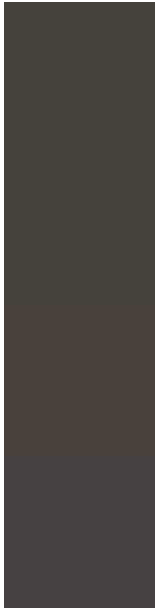
**Protanopia**  
45423C

**Deuteranopia**  
4B403C



**Tritanopia**  
464146

# Trichromacy



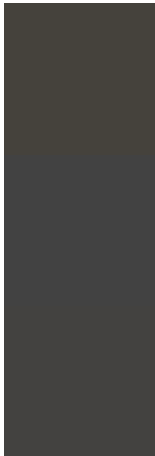
**Original Color**  
45423C

**Protanomaly**  
45423C

**Deuteranomaly**  
49413C

**Tritanomaly**  
464142

# Monochromacy



**Original Color**  
45423C

**Achromatopsia**  
424242

**Achromatomaly**  
434240

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45423C 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 #45423C looks like.

```
.text, #text, p{  
    color:#45423C  
}
```

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 #45423C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45423C
}
```

## Border

The CSS property to change the border of an element to Hex 45423C is called "border". The border property can be set on classes, ids or directly on the HTML element.

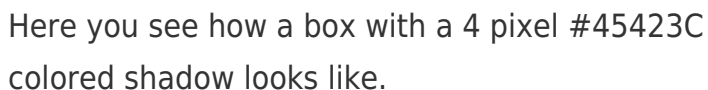
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#45423C }
```

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

```
.border{ border-color:#45423C }
```

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



Here you see how a box with a 4 pixel #45423C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45423C; -webkit-box-shadow:4px 4px  
4px 4px #45423C; box-shadow:4px 4px 4px  
4px #45423C }
```

# Background

The CSS property to change the background color of an element to Hex 45423C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45423C }
```

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

```
.background{ background-color:#45423C }
```

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