

# Converting Colors

Hex(413F33)

Have a look what the booklet for  
Hex(413F33) contains.

<b>Hex(413F33)</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(413F33)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	413F33
RGB	65, 63, 51
RGB Percent	25%, 25%, 20%
CMY	0.7451, 0.7529, 0.8000
CMYK	0.00, 0.03, 0.22, 0.75
HSL	51°, 12%, 23%
HSV	51°, 22%, 25%
XYZ	4.5550, 4.9178, 3.8411
YIQ	62.2300, 5.0440, -3.3080

# Conversions

## Conversions Part 2

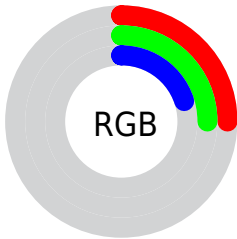
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	53, 65, 51
Decimal	4276019
CIE Lab	26.50, -1.57, 7.68
CIE LCh	26, 7.840, 101.561
Yxy	4.9178, 0.3421, 0.3694
Android (android.graphics.Color)	4282466099 (0xFF413F33)
YUV	62.2300, -5.5364, 2.4293
Hunter-Lab	22.1762, -2.1443, 5.2538

# Details

The Hex color **413F33** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **333541**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **716F61**, and **171505** is the 20% darker color. If you saturate the color by 10%, you get **413E2D**, and if you desaturate by 10%, it is **41403A**.

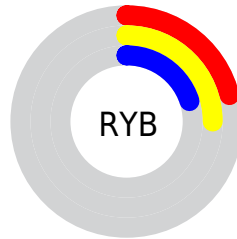
# Distribution



Red (25%)

Green (25%)

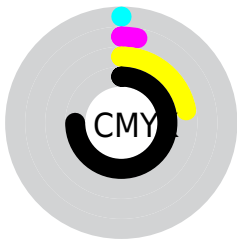
Blue (20%)



Red (21%)

Yellow (25%)

Blue (20%)

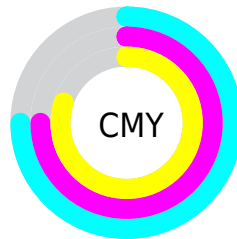


Cyan (0%)

Magenta (3%)

Yellow (22%)

Black (75%)



Cyan (75%)

Magenta (75%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 413F33 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 413F33 by changing the saturation by 10% instead.



■ 413F33

■ 413F33

FFFFFF

■ 2B291E

■ 716F61

■ 171505

■ 8A887A

■ 000000

■ A5A294

■ C0BDAF

■ DCD9CA

■ F8F5E6

■ 413F33

■ 413F33

■ 413E2D

■ 41403A

■ 413D26

■ 414140

■ 413C20

■ 414247

■ 413B19

■ 41434D

■ 413A13

■ 414454

■ 41390C

■ 41455A

■ 413906

■ 414561

■ 413800

■ 414667

■ 41476E

# Harmonies

## Analogous

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



473D34



413F33



3A4136

# Triad

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



413F33



304246



483B43

# Complementary

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



413F33



333541

# 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.



433C48



413F33



34404A

# Square

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



413F33



304241



3B3E4A



4B3B3D

# Rectangle

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



413F33



364239



3B3E4A



473B44



# Sweetspot

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



413F33



54534F



413335



2B2B28



ABABAB



2B2B2B



# Same Dimension

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



413F33



54513E



3C4133



21211E



615300



E0C000



# Inverse Universe

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



333541



3E4154



383341



1E1E21



000E61

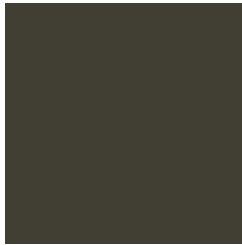


0020E0



# Previews

## White Background



This preview shows how the Hex color 413F33 looks on a white background.

## Color Contrast Check

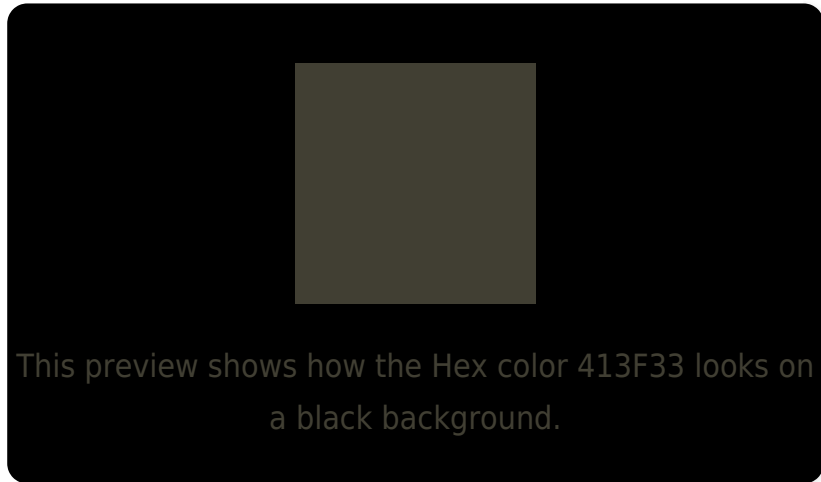
Large Text (above 18pt) WCAG AA ✓ Pass

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

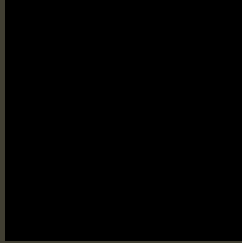
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 413F33 Background



This preview shows how black text looks on a background with the Hex color 413F33.

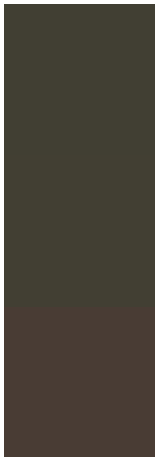


This preview shows how white text looks on a background with the Hex color 413F33.

# 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**  
413F33

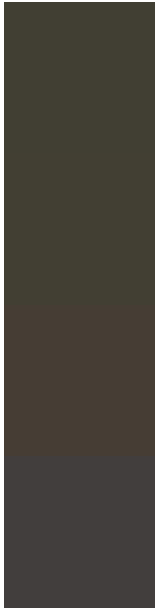
**Protanopia**  
423F33

**Deuteranopia**  
493C34



**Tritanopia**  
433D42

# Trichromacy



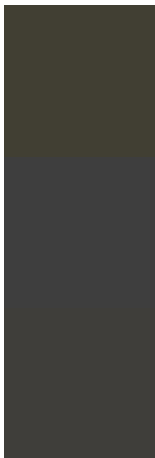
**Original Color**  
413F33

**Protanomaly**  
423F33

**Deuteranomaly**  
463D34

**Tritanomaly**  
423E3D

# Monochromacy



**Original Color**  
413F33

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
3F3E3A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 413F33 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 #413F33 looks like.

```
.text, #text, p{  
    color:#413F33  
}
```

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 #413F33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #413F33  
}
```

## Border

The CSS property to change the border of an element to Hex 413F33 is called "border". The border property can be set on classes, ids or directly on the HTML element.

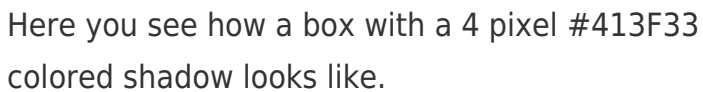
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#413F33 }
```

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

```
.border{ border-color:#413F33 }
```

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



Here you see how a box with a 4 pixel #413F33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #413F33; -webkit-box-shadow:4px 4px  
4px 4px #413F33; box-shadow:4px 4px 4px  
4px #413F33 }
```

# Background

The CSS property to change the background color of an element to Hex 413F33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#413F33 }
```

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

```
.background{ background-color:#413F33 }
```

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