

# Converting Colors

Hex(413217)

Have a look what the booklet for  
Hex(413217) contains.

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**Color**

**Hex(413217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	413217
RGB	65, 50, 23
RGB Percent	25%, 20%, 9%
CMY	0.7451, 0.8039, 0.9098
CMYK	0.00, 0.23, 0.65, 0.75
HSL	39°, 48%, 17%
HSV	39°, 65%, 25%
XYZ	3.4752, 3.4669, 1.2966
YIQ	51.4070, 17.6070, -5.2170

# Conversions

## Conversions Part 2

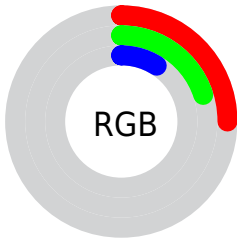
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	46, 65, 23
Decimal	4272663
CIE Lab	21.82, 2.92, 19.54
CIE LCh	22, 19.759, 81.510
Yxy	3.4669, 0.4218, 0.4208
Android (android.graphics.Color)	4282462743 (0xFF413217)
YUV	51.4070, -14.0047, 11.9211
Hunter-Lab	18.6196, 0.7317, 8.9049

# Details

The Hex color **413217** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **172641**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **726043**, and **110400** is the 20% darker color. If you saturate the color by 10%, you get **413010**, and if you desaturate by 10%, it is **41341E**.

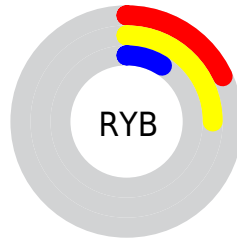
# Distribution



 Red (25%)

 Green (20%)

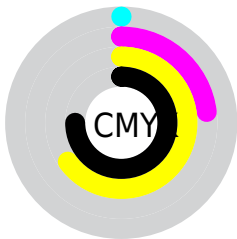
 Blue (9%)



 Red (18%)

 Yellow (25%)

 Blue (9%)

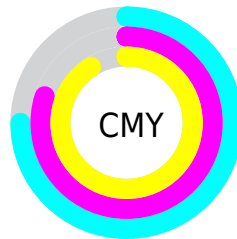


 Cyan (0%)

 Magenta (23%)

 Yellow (65%)

 Black (75%)



 Cyan (75%)

 Magenta (80%)

 Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 413217 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 413217 by changing the saturation by 10% instead.



 413217

 413217

 FFFFFB

 2B1D00

 726043

 110400

 8D795A

 000000

 A79273

 C3AD8D

 DFC8A7

 FCE4C2

 FFFFDE

 413217

 413217

■ 413010

■ 41341E

■ 412D0A

■ 413724

■ 412B04

■ 41392B

■ 412A00

■ 413B31

■ 413E38

■ 41403E

■ 414245

■ 41454B

■ 414752

# Harmonies

## Analogous

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



4B2D1E



413217



333718

# Triad

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



413217



003C3F



422D47

# Complementary

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



413217



172641

# 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.



2F324F



413217



003A4B

# Square

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



413217



0A3C2F



133751



4E2939

# Rectangle

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



413217



28391E



133751



3D2E4A



# Sweetspot

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



413217



544E44



411726



2B2821



ABABAB



2B2B2B



# Same Dimension

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



413217



543D13



3B4117



21201E



613E00



E09000



# Inverse Universe

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



172641



132A54



1D1741



1E1F21



002361



0050E0



# Previews

## White Background



This preview shows how the Hex color 413217 looks on a white background.

## Color Contrast Check

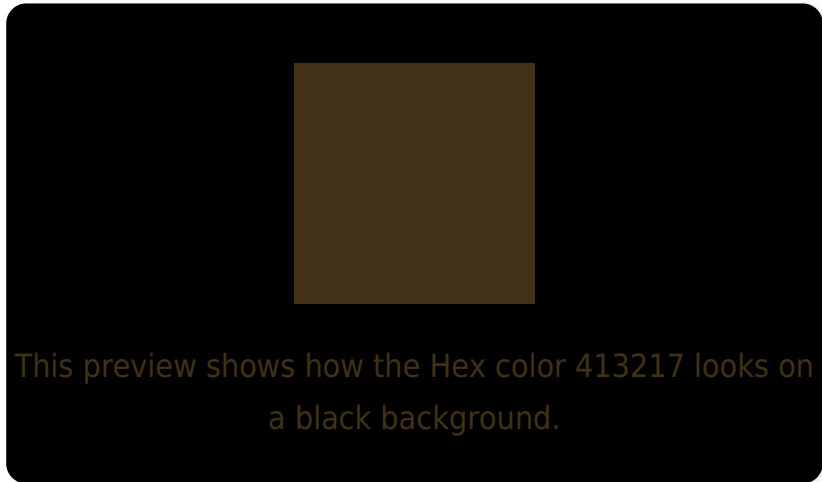
Large Text (above 18pt) WCAG AA ✓ Pass

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

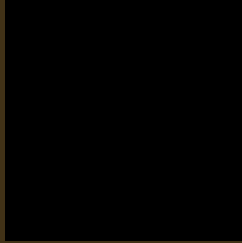
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 413217 Background



This preview shows how black text looks on a background with the Hex color 413217.

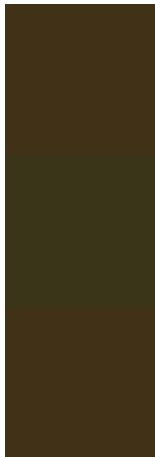


This preview shows how white text looks on a background with the Hex color 413217.

# 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**  
413217

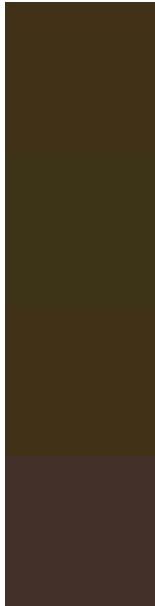
**Protanopia**  
3A3518

**Deuteranopia**  
413217



**Tritanopia**  
432F33

# Trichromacy



**Original Color**  
413217

**Protanomaly**  
3D3418

**Deuteranomaly**  
413217

**Tritanomaly**  
423029

# Monochromacy



**Original Color**  
413217

**Achromatopsia**  
333333

**Achromatomaly**  
383329

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 413217 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 #413217 looks like.

```
.text, #text, p{  
    color:#413217  
}
```

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 #413217 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #413217
}
```

## Border

The CSS property to change the border of an element to Hex 413217 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".

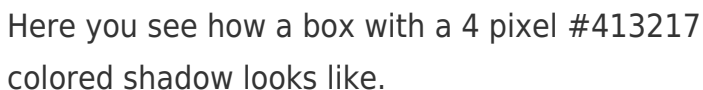
```
.border, #border, table{ border:4px solid
#413217 }
```

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

```
.border{ border-color:#413217 }
```

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

Here you see how a box with a 4 pixel #413217 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #413217; -webkit-box-shadow:4px 4px  
4px 4px #413217; box-shadow:4px 4px 4px  
4px #413217 }
```

# Background

The CSS property to change the background color of an element to Hex 413217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#413217 }
```

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

```
.background{ background-color:#413217 }
```

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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