

# Converting Colors

Hex(415216)

Have a look what the booklet for  
Hex(415216) contains.

<b>Hex(415216)</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(415216)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	415216
RGB	65, 82, 22
RGB Percent	25%, 32%, 9%
CMY	0.7451, 0.6784, 0.9137
CMYK	0.21, 0.00, 0.73, 0.68
HSL	77°, 58%, 20%
HSV	77°, 73%, 32%
XYZ	5.3421, 7.2163, 1.8704
YIQ	70.0770, 9.1280, -22.2640

# Conversions

## Conversions Part 2

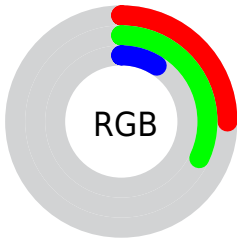
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 82, 39
Decimal	4280854
CIE <sub>Lab</sub>	32.29, -16.64, 31.66
CIE <sub>LCh</sub>	32, 35.768, 117.724
Yxy	7.2163, 0.3702, 0.5001
Android (android.graphics.Color)	4282470934 (0xFF415216)
YUV	70.0770, -23.7020, -4.4525
Hunter-Lab	26.8632, -11.5137, 14.6761

# Details

The Hex color **415216** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **271652**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **738345**, and **132500** is the 20% darker color. If you saturate the color by 10%, you get **3F520E**, and if you desaturate by 10%, it is **43521E**.

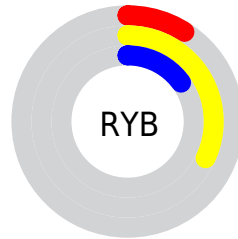
# Distribution



Red (25%)

Green (32%)

Blue (9%)



Red (9%)

Yellow (32%)

Blue (15%)

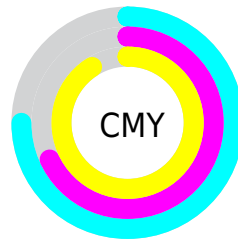


Cyan (21%)

Magenta (0%)

Yellow (73%)

Black (68%)



Cyan (75%)

Magenta (68%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 415216 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 415216 by changing the saturation by 10% instead.





415216



415216

FFFFFF



2A3B00



738345



132500



8D9E5D



000F00



A8B876



000000



C4D490



E0F0AB



FDFFC7



FFFFE3



415216



415216

■ 3F520E

■ 43521E

■ 3C5206

■ 465226

■ 3B5200

■ 48522F

■ 4A5237

■ 4D523F

■ 4F5247

■ 51524F

■ 545258

■ 565260

# Harmonies

## Analogous

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



5D4A0F



415216



19572C

# Triad

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



415216



00567B



7D324F

# Complementary

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



415216



271652

# 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.



6C396A



415216



005084

# Square

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



415216



005965



49457E



7E3533

# Rectangle

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



415216



00593F



49457E



793459



# Sweetspot

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



415216



646B54



522716



323628



B5B5B5



363636



# Same Dimension

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



415216



506B0D



235216



282925



4B6900



A6E800



# Inverse Universe

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



271652



280D6B



451652



262529



1E0069



4200E8



# Previews

## White Background



This preview shows how the Hex color 415216 looks on a white background.

## Color Contrast Check

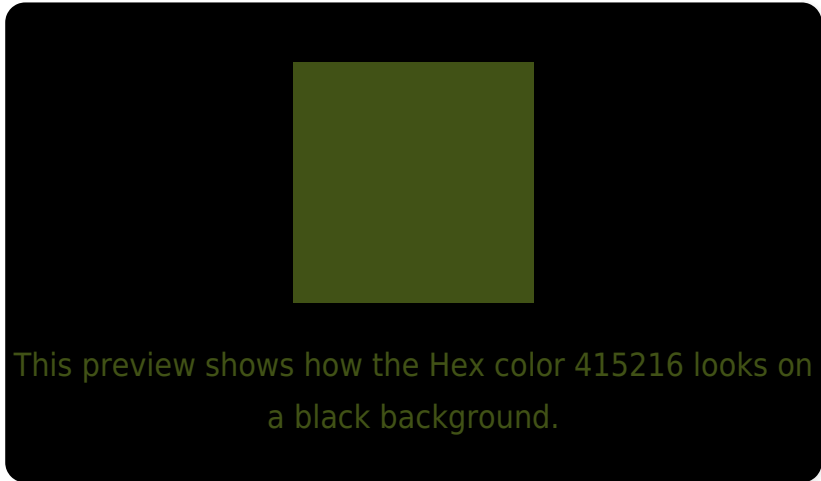
Large Text (above 18pt) WCAG AA ✓ Pass

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

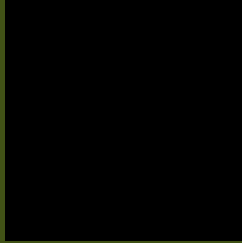
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 415216 Background



This preview shows how black text looks on a background with the Hex color 415216.



This preview shows how white text looks on a background with the Hex color 415216.

# 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](#).

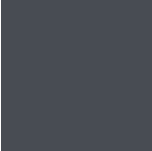
## Dichromacy



**Original Color**  
415216

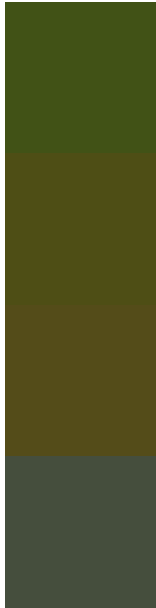
**Protanopia**  
554C14

**Deuteranopia**  
5F481A



**Tritanopia**  
484C53

# Trichromacy



**Original Color**  
415216

**Protanomaly**  
4E4E15

**Deuteranomaly**  
544C19

**Tritanomaly**  
454E3D

# Monochromacy



**Original Color**  
415216

**Achromatopsia**  
464646

**Achromatomaly**  
444A35

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 415216 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 #415216 looks like.

```
.text, #text, p{  
    color:#415216  
}
```

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 #415216 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #415216
}
```

## Border

The CSS property to change the border of an element to Hex 415216 is called "border". The border property can be set on classes, ids or directly on the HTML element.

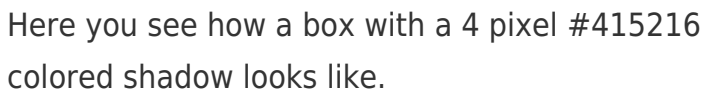
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#415216 }
```

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

```
.border{ border-color:#415216 }
```

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



Here you see how a box with a 4 pixel #415216 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #415216; -webkit-box-shadow:4px 4px  
4px 4px #415216; box-shadow:4px 4px 4px  
4px #415216 }
```

# Background

The CSS property to change the background color of an element to Hex 415216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#415216 }
```

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

```
.background{ background-color:#415216 }
```

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