

# Converting Colors

Hex(412A14)

Have a look what the booklet for  
Hex(412A14) contains.

<b>Hex(412A14)</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(412A14)**

# Conversions

## Conversions Part 1

Format	Color
Hex	412A14
RGB	65, 42, 20
RGB Percent	25%, 16%, 8%
CMY	0.7451, 0.8353, 0.9216
CMYK	0.00, 0.35, 0.69, 0.75
HSL	29°, 53%, 17%
HSV	29°, 69%, 25%
XYZ	3.1342, 2.8303, 1.0429
YIQ	46.3690, 20.7700, -1.9660

# Conversions

## Conversions Part 2

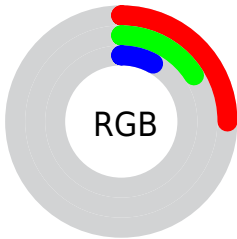
Format	Color
<a href="#">RYB</a>	<a href="#">65, 63, 20</a>
Decimal	<a href="#">4270612</a>
CIELab	<a href="#">19.35, 7.96, 18.48</a>
CIElCh	<a href="#">19, 20.118, 66.685</a>
Yxy	<a href="#">2.8303, 0.4473, 0.4039</a>
Android (android.graphics.Color)	<a href="#">4282460692</a> ( <a href="#">0xFF412A14</a> )
YUV	<a href="#">46.3690, -12.9999, 16.3394</a>
Hunter-Lab	<a href="#">16.8234, 3.8138, 8.1008</a>

# Details


The Hex color **412A14** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **142B41**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **73573F**, and **0D0000** is the 20% darker color. If you saturate the color by 10%, you get **41270E**, and if you desaturate by 10%, it is **412D1A**.

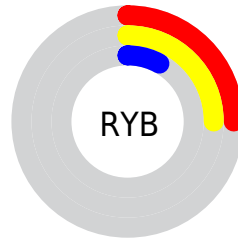
# Distribution



 Red (25%)

 Green (16%)

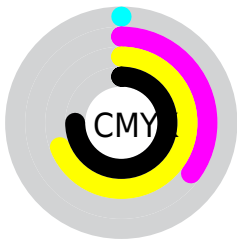
 Blue (8%)



 Red (25%)

 Yellow (25%)

 Blue (8%)

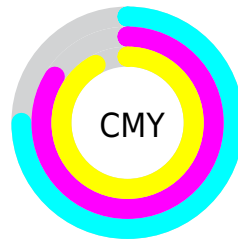


 Cyan (0%)


 Magenta (35%)

 Yellow (69%)

 Black (75%)



 Cyan (75%)

 Magenta (84%)

 Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 412A14 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 412A14 by changing the saturation by 10% instead.



 412A14

 412A14

 FFFFF6

 2B1500

 73573F

 0D0000

 8D7056

 000000

 A8896F

 C4A388

 E0BEA3

 FDDABE

 FFF7DA

 412A14

 412A14

■ 41270E

■ 412D1A

■ 412307

■ 413121

■ 412001

■ 413428

■ 412000

■ 41372E

■ 413B35

■ 413E3B

■ 414142

■ 414548

■ 41484F

# Harmonies

## Analogous

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



49251E



412A14



352F11

# Triad

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



412A14



003632



342A46

# Complementary

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



412A14



142B41

# 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.



1C2F4C



412A14



003640

# Square

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



412A14



113623



00344A



44253B

# Rectangle

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



412A14



2B3214



00344A



2D2C49



# Sweetspot

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



412A14



544B42



41142B



2B2621



ABABAB



2B2B2B



# Same Dimension

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



412A14



54300E



414014



211F1E



612F00



E06E00



# Inverse Universe

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



142B41



0E3254



141541



1E2021



003261



0073E0



# Previews

## White Background



This preview shows how the Hex color 412A14 looks on a white background.

## Color Contrast Check

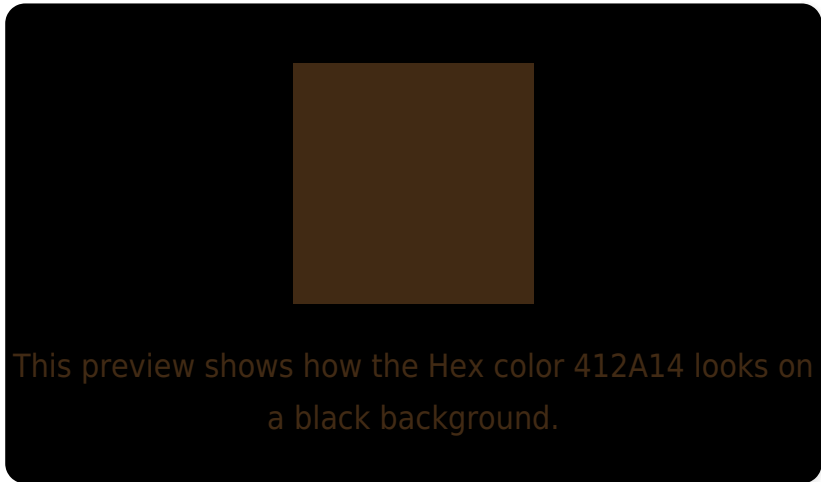
Large Text (above 18pt) WCAG AA ✓ Pass

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

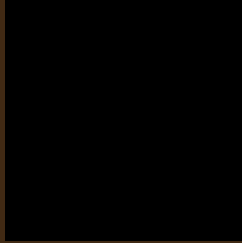
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 412A14 Background



This preview shows how black text looks on a background with the Hex color 412A14.

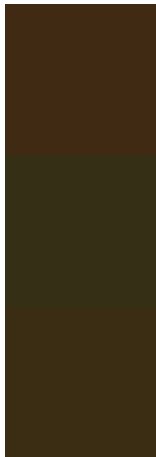


This preview shows how white text looks on a background with the Hex color 412A14.

# 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**  
412A14

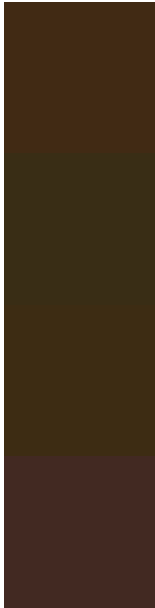
**Protanopia**  
352F16

**Deuteranopia**  
3B2D13



**Tritanopia**  
42282A

# Trichromacy



**Original Color**  
412A14

**Protanomaly**  
392D15

**Deuteranomaly**  
3D2C13

**Tritanomaly**  
422922

# Monochromacy



**Original Color**  
412A14

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
352D25

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 412A14 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 #412A14 looks like.

```
.text, #text, p{  
    color:#412A14  
}
```

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 #412A14 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #412A14
}
```

## Border

The CSS property to change the border of an element to Hex 412A14 is called "border". The border property can be set on classes, ids or directly on the HTML element.

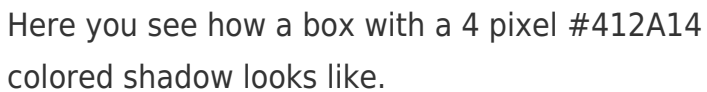
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#412A14 }
```

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

```
.border{ border-color:#412A14 }
```

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



Here you see how a box with a 4 pixel #412A14 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #412A14; -webkit-box-shadow:4px 4px  
4px 4px #412A14; box-shadow:4px 4px 4px  
4px #412A14 }
```

# Background

The CSS property to change the background color of an element to Hex 412A14 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#412A14 }
```

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

```
.background{ background-color:#412A14 }
```

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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