

# Converting Colors

Hex(642412)

Have a look what the booklet for  
Hex(642412) contains.

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**Color**

**Hex(642412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	642412
RGB	100, 36, 18
RGB Percent	39%, 14%, 7%
CMY	0.6078, 0.8588, 0.9294
CMYK	0.00, 0.64, 0.82, 0.61
HSL	13°, 69%, 23%
HSV	13°, 82%, 39%
XYZ	5.9956, 4.0148, 1.0312
YIQ	53.0840, 43.9220, 7.9700

# Conversions

## Conversions Part 2

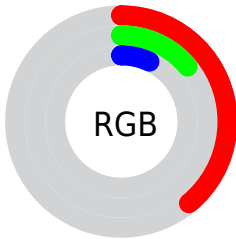
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 41, 18
Decimal	6562834
CIE <sub>Lab</sub>	23.72, 27.83, 26.17
CIE <sub>LCh</sub>	24, 38.201, 43.238
Yxy	4.0148, 0.5430, 0.3636
Android (android.graphics.Color)	4284752914 (0xFF642412)
YUV	53.0840, -17.2964, 41.1453
Hunter-Lab	20.0368, 18.3478, 10.9745

# Details

The Hex color **642412** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **125264**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **9C533D**, and **300000** is the 20% darker color. If you saturate the color by 10%, you get **641C08**, and if you desaturate by 10%, it is **642C1C**.

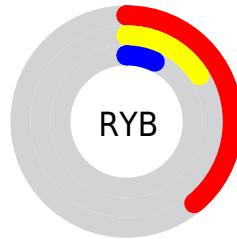
# Distribution



Red (39%)

Green (14%)

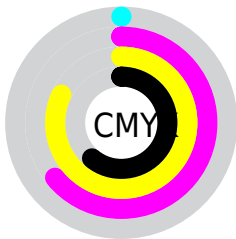
Blue (7%)



Red (39%)

Yellow (16%)

Blue (7%)

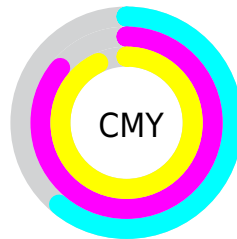


Cyan (0%)

Magenta (64%)

Yellow (82%)

Black (61%)



Cyan (61%)

Magenta (86%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 642412 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 642412 by changing the saturation by 10% instead.



 642412

 642412

 FFFFF4

 4A0C00

 9C533D

 300000

 B86C55

 020000

 D6866D

 000000

 F3A187

 FFBCA1

 FFD8BC

 FFF5D8

 642412

 642412

■ 641C08

■ 642C1C

■ 641600

■ 643426

■ 643B30

■ 64433A

■ 644B44

■ 64534E

■ 645B58

■ 646262

■ 646A6C

# Harmonies

## Analogous

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



6B192D



642412



533100

# Triad

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



642412



004427



063871

# Complementary

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



642412



125264

# 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.



00406F



642412



004545

# Square

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



642412



184109



00445F



492B63

# Rectangle

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



642412



433800



00445F



003B72



# Sweetspot

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



642412



826962



641252



42332E



C2C2C2



424242



# Same Dimension

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



642412



821F03



644D12



332F2E



731900



F23500



# Inverse Universe

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



125264



036682



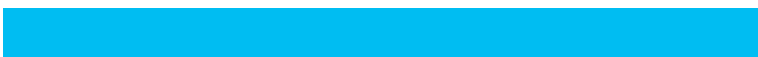
122964



2E3233



005A73

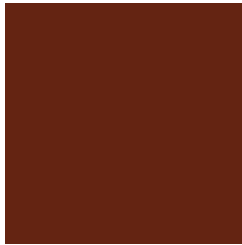


00BDF2



# Previews

## White Background



This preview shows how the Hex color 642412 looks on a white background.

## Color Contrast Check

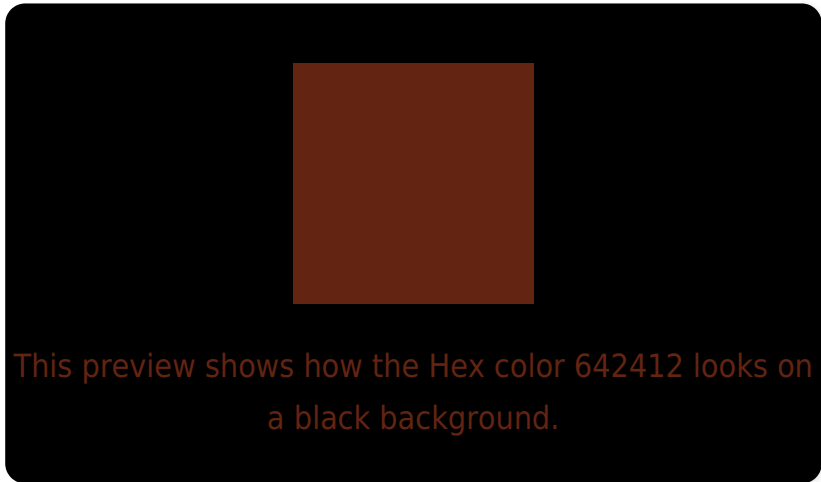
Large Text (above 18pt) WCAG AA ✓ Pass

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

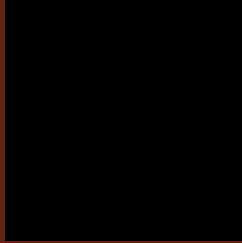
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 642412 Background



This preview shows how black text looks on a background with the Hex color 642412.



This preview shows how white text looks on a background with the Hex color 642412.

# 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**  
642412

**Protanopia**  
403A18

**Deuteranopia**  
49370B



**Tritanopia**  
652224

# Trichromacy



**Original Color**  
642412

**Protanomaly**  
4D3216

**Deuteranomaly**  
53300E

**Tritanomaly**  
65231D

# Monochromacy



**Original Color**  
642412

**Achromatopsia**  
353535

**Achromatomaly**  
462F28

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 642412 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 #642412 looks like.

```
.text, #text, p{  
    color:#642412  
}
```

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 #642412 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #642412
}
```

## Border

The CSS property to change the border of an element to Hex 642412 is called "border". The border property can be set on classes, ids or directly on the HTML element.

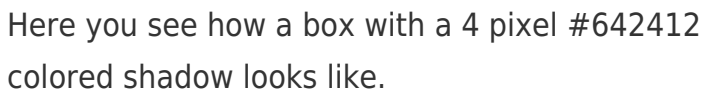
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#642412 }
```

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

```
.border{ border-color:#642412 }
```

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



Here you see how a box with a 4 pixel #642412 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #642412; -webkit-box-shadow:4px 4px  
4px 4px #642412; box-shadow:4px 4px 4px  
4px #642412 }
```

# Background

The CSS property to change the background color of an element to Hex 642412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#642412 }
```

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

```
.background{ background-color:#642412 }
```

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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