

# Converting Colors

Hex(642812)

Have a look what the booklet for  
Hex(642812) contains.

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**Color**

**Hex(642812)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	642812
RGB	100, 40, 18
RGB Percent	39%, 16%, 7%
CMY	0.6078, 0.8431, 0.9294
CMYK	0.00, 0.60, 0.82, 0.61
HSL	16°, 69%, 23%
HSV	16°, 82%, 39%
XYZ	6.1235, 4.2706, 1.0738
YIQ	55.4320, 42.8220, 5.8780

# Conversions

## Conversions Part 2

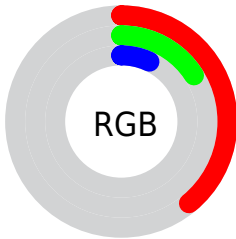
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 48, 18
Decimal	6563858
CIE Lab	24.55, 25.67, 27.02
CIE LCh	25, 37.270, 46.462
Yxy	4.2706, 0.5340, 0.3724
Android (android.graphics.Color)	4284753938 (0xFF642812)
YUV	55.4320, -18.4540, 39.0861
Hunter-Lab	20.6654, 16.7281, 11.3849

# Details

The Hex color **642812** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **124E64**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **9C573E**, and **300000** is the 20% darker color. If you saturate the color by 10%, you get **642108**, and if you desaturate by 10%, it is **642F1C**.

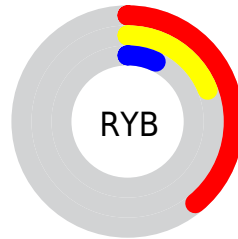
# Distribution



Red (39%)

Green (16%)

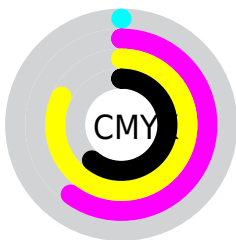
Blue (7%)



Red (39%)

Yellow (19%)

Blue (7%)

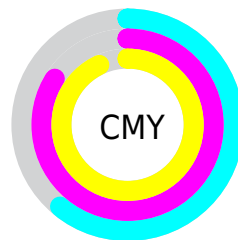


Cyan (0%)

Magenta (60%)

Yellow (82%)

Black (61%)



Cyan (61%)

Magenta (84%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 642812 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 642812 by changing the saturation by 10% instead.



 642812

 642812

 FFFFF5

 4A1100

 9C573E

 300000

 B87055

 060000

 D58A6E

 000000

 F3A587

 FFC0A2

 FFDCBD

 FFF9D8

 642812

 642812

■ 642108

■ 642F1C

■ 641B00

■ 643726

■ 643E30

■ 64453A

■ 644D44

■ 64544E

■ 645B58

■ 646362

■ 646A6C

# Harmonies

## Analogous

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



6C1D2C



642812



523400

# Triad

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



642812



00462C



1B3871

# Complementary

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



642812



124E64

# 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.



004171



642812



004749

# Square

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



642812



164310



004663



4F2B61

# Rectangle

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



642812



423B00



004663



003C72



# Sweetspot

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



642812



826A62



64124E



42342E



C2C2C2



424242



# Same Dimension

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



642812



822503



645112



332F2E



731F00



F24100



# Inverse Universe

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



124E64



036082



122564



2E3233



005473

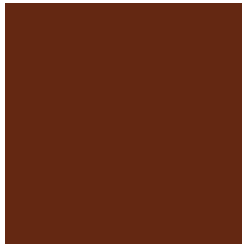


00B1F2



# Previews

## White Background



This preview shows how the Hex color 642812 looks on a white background.

## Color Contrast Check

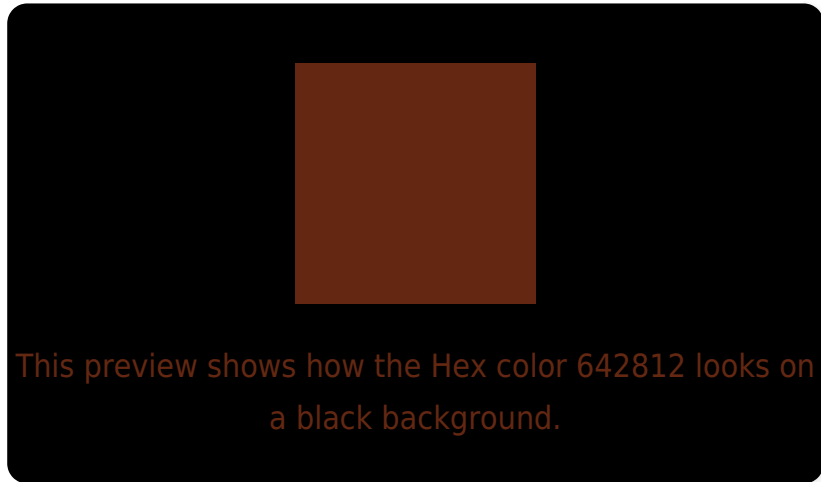
Large Text (above 18pt) WCAG AA ✓ Pass

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

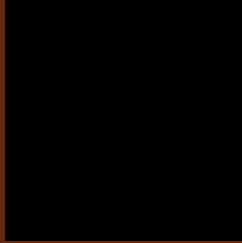
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 642812 Background



This preview shows how black text looks on a background with the Hex color 642812.



This preview shows how white text looks on a background with the Hex color 642812.

# 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**  
642812

**Protanopia**  
423B17

**Deuteranopia**  
4B380C



**Tritanopia**  
652628

# Trichromacy



**Original Color**  
642812

**Protanomaly**  
4E3415

**Deuteranomaly**  
54320E

**Tritanomaly**  
652720

# Monochromacy



**Original Color**  
642812

**Achromatopsia**  
373737

**Achromatomaly**  
47322A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 642812 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 #642812 looks like.

```
.text, #text, p{  
    color:#642812  
}
```

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 #642812 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #642812
}
```

## Border

The CSS property to change the border of an element to Hex 642812 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".

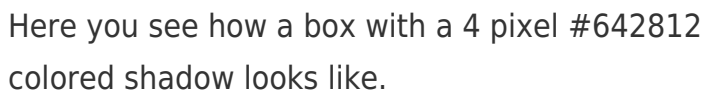
```
.border, #border, table{ border:4px solid
#642812 }
```

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

```
.border{ border-color:#642812 }
```

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

Here you see how a box with a 4 pixel #642812 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #642812; -webkit-box-shadow:4px 4px  
4px 4px #642812; box-shadow:4px 4px 4px  
4px #642812 }
```

# Background

The CSS property to change the background color of an element to Hex 642812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#642812 }
```

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

```
.background{ background-color:#642812 }
```

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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