

# Converting Colors

Hex(642F12)

Have a look what the booklet for  
Hex(642F12) contains.

<b>Hex(642F12)</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(642F12)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	642F12
RGB	100, 47, 18
RGB Percent	39%, 18%, 7%
CMY	0.6078, 0.8157, 0.9294
CMYK	0.00, 0.53, 0.82, 0.61
HSL	21°, 69%, 23%
HSV	21°, 82%, 39%
XYZ	6.3812, 4.7860, 1.1597
YIQ	59.5410, 40.8970, 2.2170

# Conversions

## Conversions Part 2

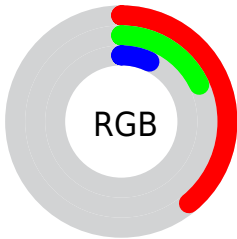
Format	Color
R <sub>Y</sub> B	100, 63, 18
Decimal	6565650
CIE Lab	26.12, 21.68, 28.61
CIE LCh	26, 35.897, 52.845
Yxy	4.7860, 0.5177, 0.3883
Android (android.graphics.Color)	4284755730 (0xFF642F12)
YUV	59.5410, -20.4797, 35.4825
Hunter-Lab	21.8770, 13.7813, 12.1708

# Details

The Hex color **642F12** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **124764**, and the grayscale version is **3C3C3C**.

A 20% lighter version of the original color is **9B5E3E**, and **300300** is the 20% darker color. If you saturate the color by 10%, you get **642908**, and if you desaturate by 10%, it is **64351C**.

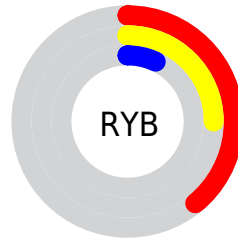
# Distribution



Red (39%)

Green (18%)

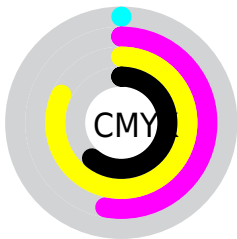
Blue (7%)



Red (39%)

Yellow (25%)

Blue (7%)

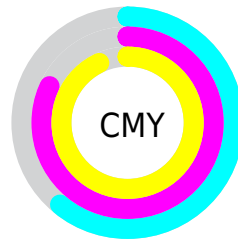


Cyan (0%)

Magenta (53%)

Yellow (82%)

Black (61%)



Cyan (61%)

Magenta (82%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 642F12 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 642F12 by changing the saturation by 10% instead.



 642F12

 642F12

 FFFFF6

 4A1900

 9B5E3E

 300300

 B87756

 0D0000

 D5916F

 000000

 F2AC88

 FFC7A2

 FFE3BE

 FFFFDA

 642F12

 642F12

■ 642908

■ 64351C

■ 642300

■ 643C26

■ 644230

■ 64493A

■ 644F44

■ 64564E

■ 645C58

■ 646362

■ 64696C

# Harmonies

## Analogous

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



6E252A



642F12



513A00

# Triad

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



642F12



004A36



313970

# Complementary

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



642F12



124764

# 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.



004374



642F12



004A52

# Square

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



642F12



11481B



004869



582D5F

# Rectangle

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



642F12



404000



004869



193D73



# Sweetspot

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



642F12



826D62



641247



42352E



C2C2C2



424242



# Same Dimension

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



642F12



823003



645812



33302E



732900



F25600



# Inverse Universe

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



124764



035582



121E64



2E3133



004A73



009DF2



# Previews

## White Background



This preview shows how the Hex color 642F12 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 642F12 Background



This preview shows how black text looks on a background with the Hex color 642F12.



This preview shows how white text looks on a background with the Hex color 642F12.

# 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**  
642F12

**Protanopia**  
463F16

**Deuteranopia**  
4F3B0D



**Tritanopia**  
652C2F

# Trichromacy



**Original Color**  
642F12

**Protanomaly**  
513915

**Deuteranomaly**  
57370F

**Tritanomaly**  
652D24

# Monochromacy



**Original Color**  
642F12

**Achromatopsia**  
3C3C3C

**Achromatomaly**  
4B372D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 642F12 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 #642F12 looks like.

```
.text, #text, p{  
    color:#642F12  
}
```

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 #642F12 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #642F12
}
```

## Border

The CSS property to change the border of an element to Hex 642F12 is called "border". The border property can be set on classes, ids or directly on the HTML element.

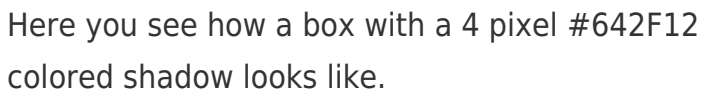
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#642F12 }
```

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

```
.border{ border-color:#642F12 }
```

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



Here you see how a box with a 4 pixel #642F12 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #642F12; -webkit-box-shadow:4px 4px  
4px 4px #642F12; box-shadow:4px 4px 4px  
4px #642F12 }
```

# Background

The CSS property to change the background color of an element to Hex 642F12 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#642F12 }
```

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

```
.background{ background-color:#642F12 }
```

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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