

# Converting Colors

Hex(643D0C)

Have a look what the booklet for  
Hex(643D0C) contains.

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**Color**

**Hex(643D0C)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	643D0C
RGB	100, 61, 12
RGB Percent	39%, 24%, 5%
CMY	0.6078, 0.7608, 0.9529
CMYK	0.00, 0.39, 0.88, 0.61
HSL	33°, 79%, 22%
HSV	33°, 88%, 39%
XYZ	6.9906, 6.0734, 1.1517
YIQ	67.0750, 38.9730, -6.9710

# Conversions

## Conversions Part 2

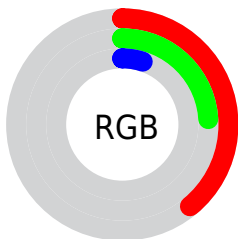
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	82, 100, 12
Decimal	6569228
CIE Lab	29.60, 12.95, 34.71
CIE LCh	30, 37.051, 69.539
Yxy	6.0734, 0.4918, 0.4272
Android (android.graphics.Color)	4284759308 (0xFF643D0C)
YUV	67.0750, -27.1520, 28.8752
Hunter-Lab	24.6442, 7.5065, 14.4802

# Details

The Hex color **643D0C** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **0C3364**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **9B6D3B**, and **301300** is the 20% darker color. If you saturate the color by 10%, you get **643902**, and if you desaturate by 10%, it is **644116**.

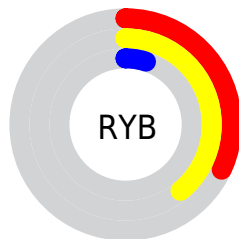
# Distribution



Red (39%)

Green (24%)

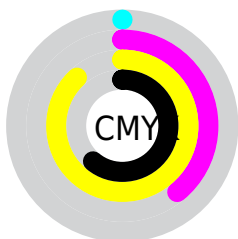
Blue (5%)



Red (32%)

Yellow (39%)

Blue (5%)

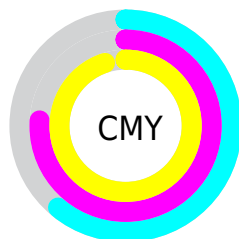


Cyan (0%)

Magenta (39%)

Yellow (88%)

Black (61%)



Cyan (61%)

Magenta (76%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 643D0C 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 643D0C by changing the saturation by 10% instead.



 643D0C

 643D0C

 FFFFF3

 4A2700

 9B6D3B

 301300

 B78653

 180001

 D4A06B

 000000

 F1BB85

 FFD7A0

 FFF3BB

 FFFFD7

 643D0C

 643D0C

■ 643902

■ 644116

■ 643800

■ 644620

■ 644A2A

■ 644F34

■ 64533E

■ 645848

■ 645C52

■ 64605C

■ 646566

# Harmonies

## Analogous

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



753123



643D0C



4C4704

# Triad

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



643D0C



00534E



533A72

# Complementary

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



643D0C



0C3364

# 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.



16467F



643D0C



00526A

# Square

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



643D0C



005231



004E7B



6F2E5A

# Rectangle

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



643D0C



384C0E



004E7B



443E78



# Sweetspot

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



643D0C



827360



640C34



42392E



C2C2C2



424242



# Same Dimension

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



643D0C



824800



60640C



33312E



734000



F28700



# Inverse Universe

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



0C3364



003A82



100C64



2E3033



003373



006BF2



# Previews

## White Background



This preview shows how the Hex color 643D0C looks on a white background.

## Color Contrast Check

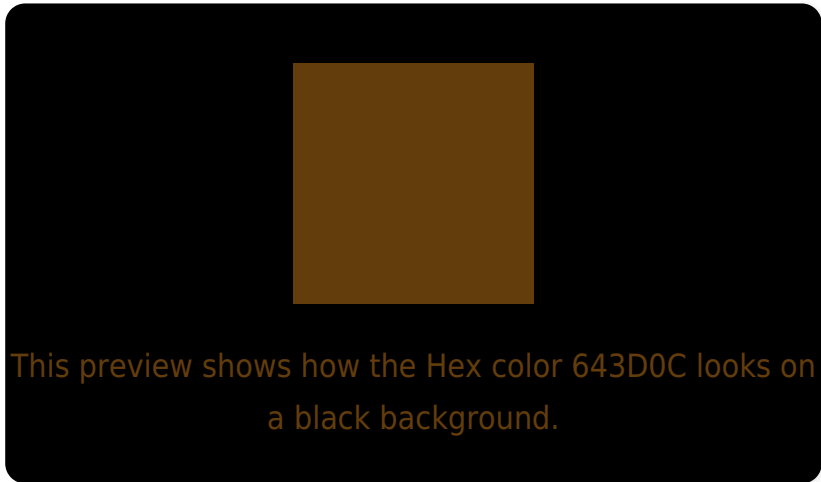
Large Text (above 18pt) WCAG AA ✓ Pass

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

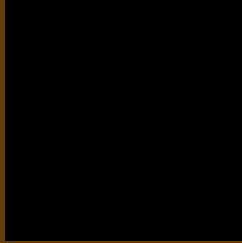
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 643D0C Background



This preview shows how black text looks on a background with the Hex color 643D0C.



This preview shows how white text looks on a background with the Hex color 643D0C.

# 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**  
643D0C

**Protanopia**  
4F460F

**Deuteranopia**  
594307



**Tritanopia**  
66393D

# Trichromacy



**Original Color**  
643D0C

**Protanomaly**  
57430E

**Deuteranomaly**  
5D4109

**Tritanomaly**  
653A2B

# Monochromacy



**Original Color**  
643D0C

**Achromatopsia**  
434343

**Achromatomaly**  
4F412F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 643D0C 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 #643D0C looks like.

```
.text, #text, p{  
    color:#643D0C  
}
```

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 #643D0C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #643D0C
}
```

## Border

The CSS property to change the border of an element to Hex 643D0C is called "border". The border property can be set on classes, ids or directly on the HTML element.

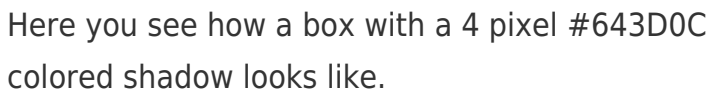
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#643D0C }
```

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

```
.border{ border-color:#643D0C }
```

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



Here you see how a box with a 4 pixel #643D0C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #643D0C; -webkit-box-shadow:4px 4px  
4px 4px #643D0C; box-shadow:4px 4px 4px  
4px #643D0C }
```

# Background

The CSS property to change the background color of an element to Hex 643D0C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#643D0C }
```

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

```
.background{ background-color:#643D0C }
```

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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