

# Converting Colors

Hex(7A3117)

Have a look what the booklet for  
Hex(7A3117) contains.

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**Color**

**Hex(7A3117)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7A3117
RGB	122, 49, 23
RGB Percent	48%, 19%, 9%
CMY	0.5216, 0.8078, 0.9098
CMYK	0.00, 0.60, 0.81, 0.52
HSL	16°, 68%, 28%
HSV	16°, 81%, 48%
XYZ	9.2790, 6.3961, 1.5561
YIQ	67.8630, 51.8540, 7.3900

# Conversions

## Conversions Part 2

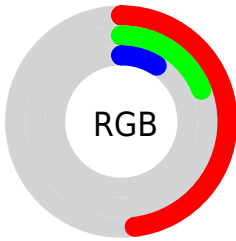
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	122, 58, 23
Decimal	8007959
CIE Lab	30.39, 30.27, 31.45
CIE LCh	30, 43.649, 46.095
Yxy	6.3961, 0.5385, 0.3712
Android (android.graphics.Color)	4286198039 (0xFF7A3117)
YUV	67.8630, -22.1175, 47.4781
Hunter-Lab	25.2904, 21.2330, 14.0552

# Details

The Hex color **7A3117** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **17607A**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **B46244**, and **430000** is the 20% darker color. If you saturate the color by 10%, you get **7A280B**, and if you desaturate by 10%, it is **7A3A23**.

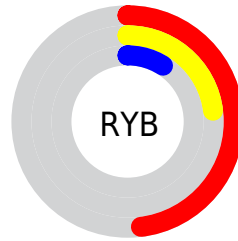
# Distribution



Red (48%)

Green (19%)

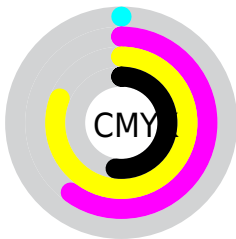
Blue (9%)



Red (48%)

Yellow (23%)

Blue (9%)

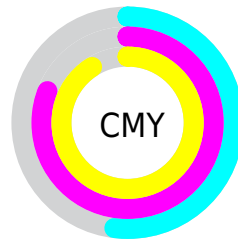


Cyan (0%)

Magenta (60%)

Yellow (81%)

Black (52%)



Cyan (52%)

Magenta (81%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7A3117 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 7A3117 by changing the saturation by 10% instead.



 7A3117

 7A3117

FFFFFFD

 5E1900

 B46244

 430000

 D17B5C

 2B0001

 EF9675

 000000

 FFB18E

 FFCCA9

 FFE9C4

 FFFFE1

 7A3117

 7A3117

■ 7A280B

■ 7A3A23

■ 7A2000

■ 7A432F

■ 7A4C3C

■ 7A5548

■ 7A5E54

■ 7A6760

■ 7A706C

■ 7A7979

■ 7A8285

# Harmonies

## Analogous

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



842437



7A3117



644000

# Triad

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



7A3117



005636



1F4589

# Complementary

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



7A3117



17607A

# 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.



00508A



7A3117



005759

# Square

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



7A3117



1B5213



005578



603677

# Rectangle

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



7A3117



514800



005578



00498C



# Sweetspot

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



7A3117



9E8278



7A1761



4F3E38



CFCFCF



4F4F4F



# Same Dimension

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



7A3117



9E2D05



7A6117



3D3937



7D2100



FC4200



# Inverse Universe

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



17607A



05769E



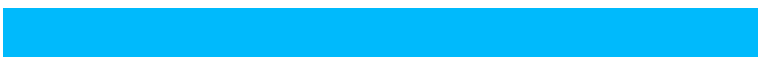
17307A



373C3D



005C7D



00BAFC



# Previews

## White Background



This preview shows how the Hex color 7A3117 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 7A3117 Background



This preview shows how black text looks on a background with the Hex color 7A3117.



This preview shows how white text looks on a background with the Hex color 7A3117.

# 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**  
7A3117

**Protanopia**  
51491D

**Deuteranopia**  
5B4510



**Tritanopia**  
7B2E31

# Trichromacy



**Original Color**  
7A3117

**Protanomaly**  
60401B

**Deuteranomaly**  
663E13

**Tritanomaly**  
7B2F28

# Monochromacy



**Original Color**  
7A3117

**Achromatopsia**  
444444

**Achromatomaly**  
583D34

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7A3117 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 #7A3117 looks like.

```
.text, #text, p{  
    color:#7A3117  
}
```

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 #7A3117 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7A3117
}
```

## Border

The CSS property to change the border of an element to Hex 7A3117 is called "border". The border property can be set on classes, ids or directly on the HTML element.

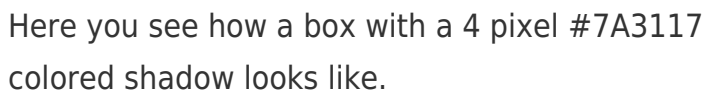
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7A3117 }
```

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

```
.border{ border-color:#7A3117 }
```

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



Here you see how a box with a 4 pixel #7A3117 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7A3117; -webkit-box-shadow:4px 4px  
4px 4px #7A3117; box-shadow:4px 4px 4px  
4px #7A3117 }
```

# Background

The CSS property to change the background color of an element to Hex 7A3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7A3117 }
```

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

```
.background{ background-color:#7A3117 }
```

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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