

# Converting Colors

Hex(7B2102)

Have a look what the booklet for  
Hex(7B2102) contains.

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**Color**

**Hex(7B2102)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7B2102
RGB	123, 33, 2
RGB Percent	48%, 13%, 1%
CMY	0.5176, 0.8706, 0.9922
CMYK	0.00, 0.73, 0.98, 0.52
HSL	15°, 97%, 25%
HSV	15°, 98%, 48%
XYZ	8.7232, 5.3030, 0.6213
YIQ	56.3760, 63.5910, 9.4390

# Conversions

## Conversions Part 2

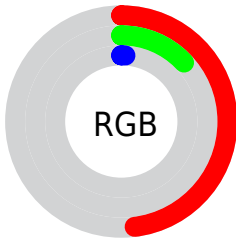
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 44, 2
Decimal	8069378
CIE <sub>Lab</sub>	27.58, 37.69, 38.67
CIE <sub>LCh</sub>	28, 53.994, 45.737
Yxy	5.3030, 0.5955, 0.3620
Android (android.graphics.Color)	4286259458 (0xFF7B2102)
YUV	56.3760, -26.8074, 58.4292
Hunter-Lab	23.0284, 27.3166, 14.5203

# Details

The Hex color **7B2102** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **025C7B**, and the grayscale version is **393939**.

A 20% lighter version of the original color is **B65431**, and **420000** is the 20% darker color. If you saturate the color by 10%, you get **7B2000**, and if you desaturate by 10%, it is **7B2A0E**.

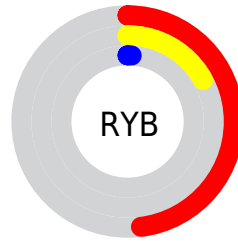
# Distribution



Red (48%)

Green (13%)

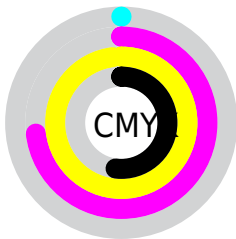
Blue (1%)



Red (48%)

Yellow (17%)

Blue (1%)

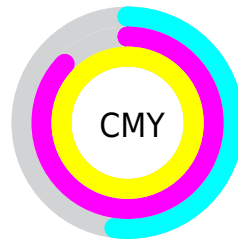


Cyan (0%)

Magenta (73%)

Yellow (98%)

Black (52%)



Cyan (52%)

Magenta (87%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B2102 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 7B2102 by changing the saturation by 10% instead.



 7B2102

 7B2102

 FFFFE7

 5E0300

 B65431

 420000

 D56D48

 280001

 F38761

 000000


 FFA27A

 FFBE94

 FFDAAF

 FFF7CB

 7B2102

 7B2102

■ 7B2000

■ 7B2A0E

■ 7B331B

■ 7B3C27

■ 7B4633

■ 7B4F40

■ 7B584C

■ 7B6158

■ 7B6A64

■ 7B7371

# Harmonies

## Analogous

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



87002E



7B2102



613800

# Triad

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



7B2102



00512B



003F92

# Complementary

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



7B2102



025C7B

# 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.



004C92



7B2102



005257

# Square

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



7B2102



004E00



00517C



5C297C

# Rectangle

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



7B2102



4A4200



00517C



004495



# Sweetspot

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



7B2102



A17D70



7B025D



523C34



D1D1D1



525252



# Same Dimension

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



7B2102



A12900



7B5D02



3D3937



7D2000



FC4100



# Inverse Universe

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



025C7B



0077A1



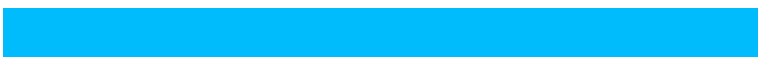
02207B



373C3D



005D7D

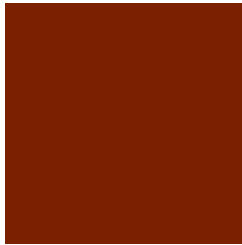


00BCFC



# Previews

## White Background



This preview shows how the Hex color 7B2102 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

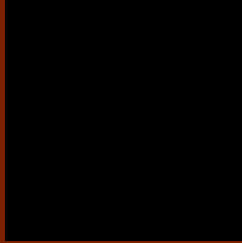
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7B2102 Background



This preview shows how black text looks on a background with the Hex color 7B2102.



This preview shows how white text looks on a background with the Hex color 7B2102.

# 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**  
7B2102

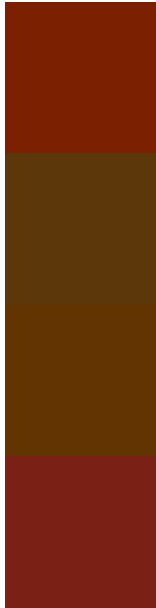
**Protanopia**  
4B430E

**Deuteranopia**  
543F00



**Tritanopia**  
7B1F20

# Trichromacy



**Original Color**  
7B2102

**Protanomaly**  
5C370A

**Deuteranomaly**  
623401

**Tritanomaly**  
7B2015

# Monochromacy



**Original Color**  
7B2102

**Achromatopsia**  
383838

**Achromatomaly**  
503024

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B2102 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 #7B2102 looks like.

```
.text, #text, p{  
    color:#7B2102  
}
```

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 #7B2102 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B2102
}
```

## Border

The CSS property to change the border of an element to Hex 7B2102 is called "border". The border property can be set on classes, ids or directly on the HTML element.

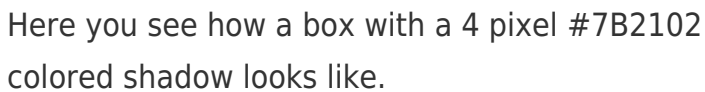
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7B2102 }
```

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

```
.border{ border-color:#7B2102 }
```

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



Here you see how a box with a 4 pixel #7B2102 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B2102; -webkit-box-shadow:4px 4px  
4px 4px #7B2102; box-shadow:4px 4px 4px  
4px #7B2102 }
```

# Background

The CSS property to change the background color of an element to Hex 7B2102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B2102 }
```

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

```
.background{ background-color:#7B2102 }
```

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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