

# Converting Colors

Hex(7B2300)

Have a look what the booklet for  
Hex(7B2300) contains.

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**Color**

**Hex(7B2300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7B2300
RGB	123, 35, 0
RGB Percent	48%, 14%, 0%
CMY	0.5176, 0.8627, 1.0000
CMYK	0.00, 0.72, 1.00, 0.52
HSL	17°, 100%, 24%
HSV	17°, 100%, 48%
XYZ	8.7694, 5.4130, 0.5826
YIQ	57.3220, 63.6830, 7.7710

# Conversions

## Conversions Part 2

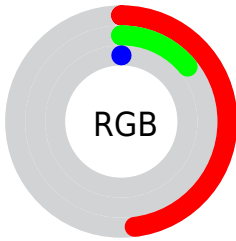
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 49, 0
Decimal	8069888
CIE <sub>Lab</sub>	27.88, 36.79, 39.74
CIE <sub>LCh</sub>	28, 54.155, 47.202
Yxy	5.4130, 0.5939, 0.3666
Android (android.graphics.Color)	4286259968 (0xFF7B2300)
YUV	57.3220, -28.2597, 57.5996
Hunter-Lab	23.2659, 26.5651, 14.8014

# Details

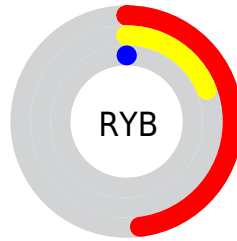
The Hex color **7B2300** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **00587B**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **B65530**, and **420000** is the 20% darker color. If you saturate the color by 10%, you get **7B2300**, and if you desaturate by 10%, it is **7B2C0C**.

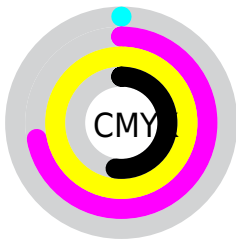
# Distribution



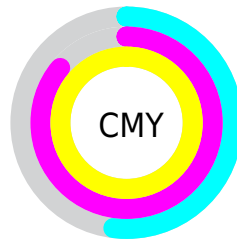
- Red (48%)
- Green (14%)
- Blue (0%)



- Red (48%)
- Yellow (19%)
- Blue (0%)



- Cyan (0%)
- Magenta (72%)
- Yellow (100%)
- Black (52%)



- Cyan (52%)
- Magenta (86%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B2300 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 7B2300 by changing the saturation by 10% instead.



 7B2300

 7B2300

 FFFFE6

 5E0600

 B65530

 420000

 D46F47

 290001

 F3895F

 000000

 FFA479

 FFC093

 FFDCAE

 FFF9C9

 7B2300

 7B2C0C

 7B3519

 7B3D25

 7B4631

 7B4F3E

 7B584A

 7B6156

 7B6962

 7B726F

# Harmonies

## Analogous

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



88002C



7B2300



603900

# Triad

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



7B2300



00522E



003F93

# Complementary

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



7B2300



00587B

# 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.



004C94



7B2300



005359

# Square

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



7B2300



004F00



00527F



60287B

# Rectangle

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



7B2300



494300



00527F



004496



# Sweetspot

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



7B2300



A17E70



7B0058



523D34



D1D1D1



525252



# Same Dimension

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



7B2300



A12E00



7B6000



3D3937



7D2400



FC4800



# Inverse Universe

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



00587B



0073A1



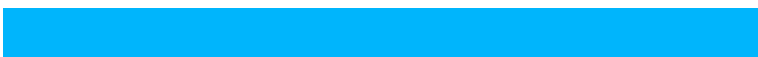
001B7B



373B3D



00597D

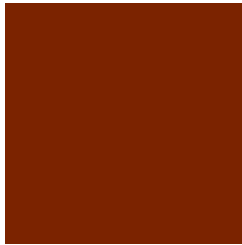


00B5FC



# Previews

## White Background



This preview shows how the Hex color 7B2300 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

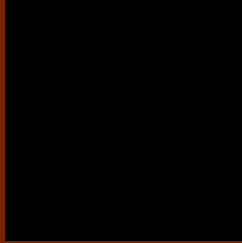
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7B2300 Background



This preview shows how black text looks on a background with the Hex color 7B2300.



This preview shows how white text looks on a background with the Hex color 7B2300.

# 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**  
7B2300

**Protanopia**  
4C440E

**Deuteranopia**  
554000



# Trichromacy



**Original Color**  
7B2300

**Protanomaly**  
5D3809

**Deuteranomaly**  
633500

**Tritanomaly**  
7C2216

# Monochromacy



**Original Color**  
7B2300

**Achromatopsia**  
393939

**Achromatomaly**  
513124

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B2300 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 #7B2300 looks like.

```
.text, #text, p{  
    color:#7B2300  
}
```

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 #7B2300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B2300
}
```

## Border

The CSS property to change the border of an element to Hex 7B2300 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
#7B2300 }
```

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

```
.border{ border-color:#7B2300 }
```

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

Here you see how a box with a 4 pixel #7B2300 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B2300; -webkit-box-shadow:4px 4px  
4px 4px #7B2300; box-shadow:4px 4px 4px  
4px #7B2300 }
```

# Background

The CSS property to change the background color of an element to Hex 7B2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B2300 }
```

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

```
.background{ background-color:#7B2300 }
```

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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