

# Converting Colors

Hex(812300)

Have a look what the booklet for  
Hex(812300) contains.

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**Color**

**Hex(812300)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	812300
RGB	129, 35, 0
RGB Percent	51%, 14%, 0%
CMY	0.4941, 0.8627, 1.0000
CMYK	0.00, 0.73, 1.00, 0.49
HSL	16°, 100%, 25%
HSV	16°, 100%, 51%
XYZ	9.6543, 5.8692, 0.6240
YIQ	59.1160, 67.2590, 9.0430

# Conversions

## Conversions Part 2

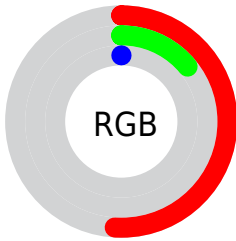
Format	Color
<a href="#">RYB</a>	129, 48, 0
Decimal	8463104
CIELab	29.08, 38.98, 41.21
CIELCh	29, 56.727, 46.594
Yxy	5.8692, 0.5979, 0.3635
Android (android.graphics.Color)	4286653184 (0xFF812300)
YUV	59.1160, -29.1442, 61.2883
Hunter-Lab	24.2264, 28.7365, 15.4313

# Details

The Hex color **812300** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **005E81**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **BD5630**, and **470000** is the 20% darker color. If you saturate the color by 10%, you get **812300**, and if you desaturate by 10%, it is **812C0D**.

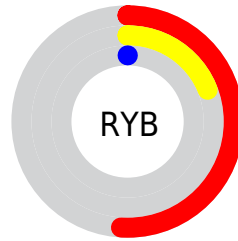
# Distribution



Red (51%)

Green (14%)

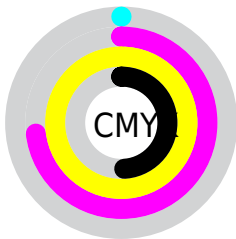
Blue (0%)



Red (51%)

Yellow (19%)

Blue (0%)

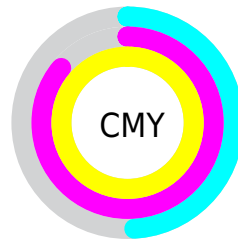


Cyan (0%)

Magenta (73%)

Yellow (100%)

Black (49%)



Cyan (49%)

Magenta (86%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 812300 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 812300 by changing the saturation by 10% instead.



 812300

 812300

 FFFFE6

 640400

 BD5630

 470000

 DB7047

 2E0002

 FA8A60


 000000

 FFA579

 FFC193


 FFDDAE

 FFFACA

 812300

 812C0D

 81361A

 813F27


 814934

 815241

 815B4D

 81655A

 816E67

 817874

# Harmonies

## Analogous

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



8F002F



812300



653B00

# Triad

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



812300



00552F



00429A

# Complementary

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



812300



005E81

# 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.



00509B



812300



00575D

# Square

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



812300



005200



005684



632A82

# Rectangle

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



812300



4C4600



005684



00489D



# Sweetspot

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



812300



A88476



81005F



543E36



D4D4D4



545454



# Same Dimension

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



812300



A82E00



816300



403B39



802300



000000



# Inverse Universe

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



005E81



007BA8



001E81



393E40



005D80

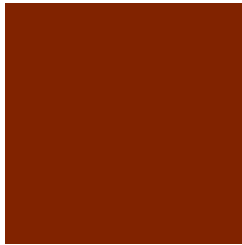


000000



# Previews

## White Background



This preview shows how the Hex color 812300 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

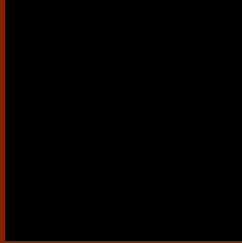
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 812300 Background



This preview shows how black text looks on a background with the Hex color 812300.



This preview shows how white text looks on a background with the Hex color 812300.

# 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**  
812300

**Protanopia**  
4F460E

**Deuteranopia**  
584300



# Trichromacy



**Original Color**  
812300

**Protanomaly**  
613909

**Deuteranomaly**  
673700

**Tritanomaly**  
812216

# Monochromacy



**Original Color**  
812300

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
543226

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 812300 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 #812300 looks like.

```
.text, #text, p{  
    color:#812300  
}
```

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 #812300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #812300
}
```

## Border

The CSS property to change the border of an element to Hex 812300 is called "border". The border property can be set on classes, ids or directly on the HTML element.

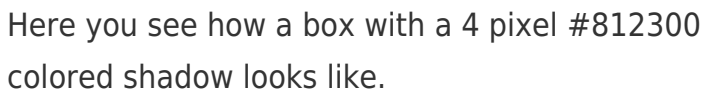
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#812300 }
```

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

```
.border{ border-color:#812300 }
```

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



Here you see how a box with a 4 pixel #812300 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #812300; -webkit-box-shadow:4px 4px  
4px 4px #812300; box-shadow:4px 4px 4px  
4px #812300 }
```

# Background

The CSS property to change the background color of an element to Hex 812300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#812300 }
```

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

```
.background{ background-color:#812300 }
```

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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