

# Converting Colors

Hex(642300)

Have a look what the booklet for  
Hex(642300) contains.

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**Color**

**Hex(642300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	642300
RGB	100, 35, 0
RGB Percent	39%, 14%, 0%
CMY	0.6078, 0.8627, 1.0000
CMYK	0.00, 0.65, 1.00, 0.61
HSL	21°, 100%, 20%
HSV	21°, 100%, 39%
XYZ	5.8566, 3.9114, 0.4463
YIQ	50.4450, 49.9750, 2.8950

# Conversions

## Conversions Part 2

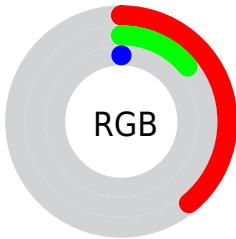
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 54, 0
Decimal	6562560
CIE Lab	23.38, 27.76, 33.92
CIE LCh	23, 43.832, 50.702
Yxy	3.9114, 0.5734, 0.3829
Android (android.graphics.Color)	4284752640 (0xFF642300)
YUV	50.4450, -24.8694, 43.4597
Hunter-Lab	19.7772, 18.2484, 12.5061

# Details

The Hex color **642300** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **004164**, and the grayscale version is **333333**.

A 20% lighter version of the original color is **9C522F**, and **2F0000** is the 20% darker color. If you saturate the color by 10%, you get **642300**, and if you desaturate by 10%, it is **642A0A**.

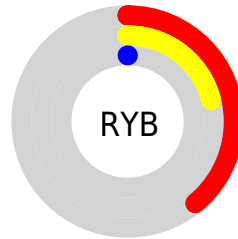
# Distribution



Red (39%)

Green (14%)

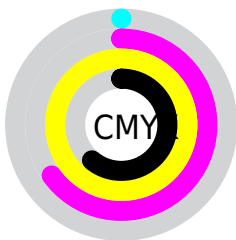
Blue (0%)



Red (39%)

Yellow (21%)

Blue (0%)

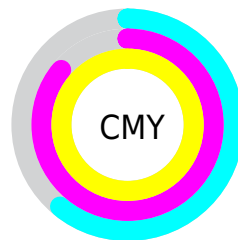


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (61%)



Cyan (61%)

Magenta (86%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 642300 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 642300 by changing the saturation by 10% instead.



 642300

 642300

 FFFFE4

 480B00

 9C522F

 2F0000

 BA6B46

 000000

 D7855E

 F59F78

 FFBB91

 FFD7AC

 FFF3C8

 642300

■ 642A0A

■ 643014

■ 64371E

■ 643D28

■ 644432

■ 644A3C

■ 645146

■ 645750

■ 645E5A

# Harmonies

## Analogous

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



701023



642300



4E3300

# Triad

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



642300



00452C



173476

# Complementary

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



642300



004164

# 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.



003F79



642300



00464E

# Square

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



642300



004208



00446A



542262

# Rectangle

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



642300



3B3A00



00446A



003879



# Sweetspot

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



642300



82695B



640041



42332A



C2C2C2



424242



# Same Dimension

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



642300



822E00



645500



33302E



732800



F25500



# Inverse Universe

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



004164



005582



000F64



2E3133



004B73

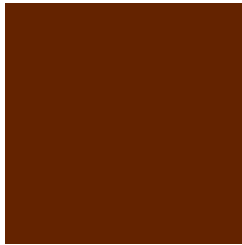


009DF2



# Previews

## White Background



This preview shows how the Hex color 642300 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

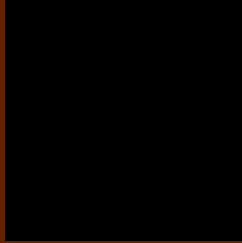
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 642300 Background



This preview shows how black text looks on a background with the Hex color 642300.



This preview shows how white text looks on a background with the Hex color 642300.

# 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**  
642300

**Protanopia**  
40390A

**Tritanopia**  
652122

# Trichromacy



**Original Color**  
642300

**Protanomaly**  
4D3106

**Tritanomaly**  
652216

# Monochromacy



**Original Color**  
642300

**Achromatopsia**  
323232

**Achromatomaly**  
442D20

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 642300 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 #642300 looks like.

```
.text, #text, p{  
    color:#642300  
}
```

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 #642300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #642300
}
```

## Border

The CSS property to change the border of an element to Hex 642300 is called "border". The border property can be set on classes, ids or directly on the HTML element.

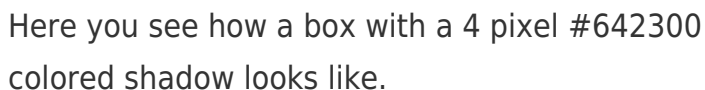
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#642300 }
```

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

```
.border{ border-color:#642300 }
```

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



Here you see how a box with a 4 pixel #642300 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #642300; -webkit-box-shadow:4px 4px  
4px 4px #642300; box-shadow:4px 4px 4px  
4px #642300 }
```

# Background

The CSS property to change the background color of an element to Hex 642300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#642300 }
```

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

```
.background{ background-color:#642300 }
```

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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