

# Converting Colors

Hex(642B00)

Have a look what the booklet for  
Hex(642B00) contains.

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**Color**

**Hex(642B00)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	642B00
RGB	100, 43, 0
RGB Percent	39%, 17%, 0%
CMY	0.6078, 0.8314, 1.0000
CMYK	0.00, 0.57, 1.00, 0.61
HSL	26°, 100%, 20%
HSV	26°, 100%, 39%
XYZ	6.1194, 4.4371, 0.5339
YIQ	55.1410, 47.7750, -1.2890

# Conversions

## Conversions Part 2

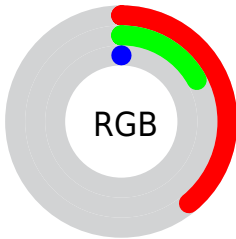
Format	Color
<a href="#">RYB</a>	100, 75, 0
Decimal	6564608
CIELab	25.07, 23.39, 35.58
CIELCh	25, 42.579, 56.685
Yxy	4.4371, 0.5518, 0.4001
Android (android.graphics.Color)	4284754688 (0xFF642B00)
YUV	55.1410, -27.1845, 39.3413
Hunter-Lab	21.0644, 14.9933, 13.2423

# Details

The Hex color **642B00** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **003964**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **9C5A2F**, and **2F0000** is the 20% darker color. If you saturate the color by 10%, you get **642B00**, and if you desaturate by 10%, it is **64310A**.

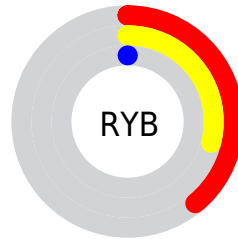
# Distribution



Red (39%)

Green (17%)

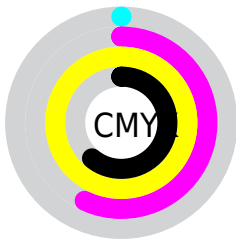
Blue (0%)



Red (39%)

Yellow (29%)

Blue (0%)

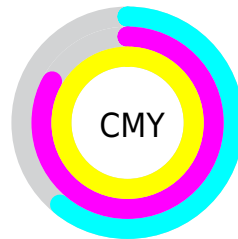


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (61%)



Cyan (61%)

Magenta (83%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 642B00 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 642B00 by changing the saturation by 10% instead.



 642B00

 642B00

 FFFFE5

 491500

 9C5A2F

 2F0000

 B97347

 060000

 D68D5F

 000000

 F4A778

 FFC393

 FFDFAD

 FFFBC9

 642B00

■ 64310A

■ 643614

■ 643C1E

■ 644228

■ 644832

■ 644D3C

■ 645346

■ 645950

■ 645E5A

# Harmonies

## Analogous

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



721B21



642B00



4D3900

# Triad

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



642B00



004937



313476

# Complementary

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



642B00



003964

# 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.



00417C



642B00



004A58

# Square

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



642B00



004715



004771



5E235F

# Rectangle

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



642B00



393F00



004771



0E397A



# Sweetspot

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



642B00



826C5B



64003A



42352A



C2C2C2



424242



# Same Dimension

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



642B00



823800



645C00



33302E



733100



F26800



# Inverse Universe

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



003964



004A82



000864



2E3133



004173

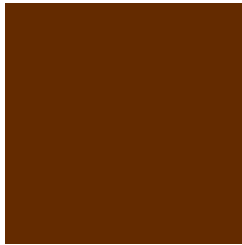


008AF2



# Previews

## White Background



This preview shows how the Hex color 642B00 looks on a white background.

## Color Contrast Check

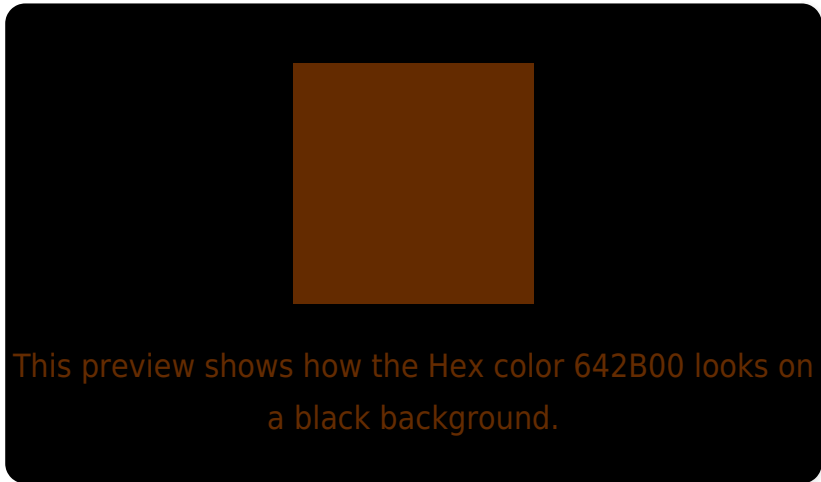
Large Text (above 18pt) WCAG AA ✓ Pass

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

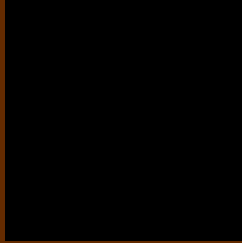
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 642B00 Background



This preview shows how black text looks on a background with the Hex color 642B00.



This preview shows how white text looks on a background with the Hex color 642B00.

# 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**  
642B00

**Protanopia**  
443D09

**Deuteranopia**  
4C3A00



**Tritanopia**  
65282B

# Trichromacy



**Original Color**  
642B00

**Protanomaly**  
503606

**Deuteranomaly**  
553500

**Tritanomaly**  
65291B

# Monochromacy



**Original Color**  
642B00

**Achromatopsia**  
373737

**Achromatomaly**  
473323

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 642B00 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 #642B00 looks like.

```
.text, #text, p{  
    color:#642B00  
}
```

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 #642B00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #642B00
}
```

## Border

The CSS property to change the border of an element to Hex 642B00 is called "border". The border property can be set on classes, ids or directly on the HTML element.

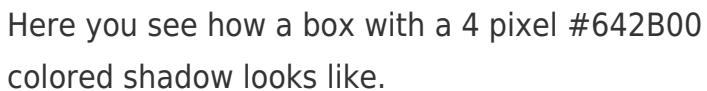
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#642B00 }
```

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

```
.border{ border-color:#642B00 }
```

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



Here you see how a box with a 4 pixel #642B00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #642B00; -webkit-box-shadow:4px 4px  
4px 4px #642B00; box-shadow:4px 4px 4px  
4px #642B00 }
```

# Background

The CSS property to change the background color of an element to Hex 642B00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#642B00 }
```

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

```
.background{ background-color:#642B00 }
```

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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