

# Converting Colors

Hex(645923)

Have a look what the booklet for  
Hex(645923) contains.

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**Color**

**Hex(645923)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	645923
RGB	100, 89, 35
RGB Percent	39%, 35%, 14%
CMY	0.6078, 0.6510, 0.8627
CMYK	0.00, 0.11, 0.65, 0.61
HSL	50°, 48%, 26%
HSV	50°, 65%, 39%
XYZ	9.1313, 9.9754, 3.0343
YIQ	86.1330, 23.8900, -14.4620

# Conversions

## Conversions Part 2

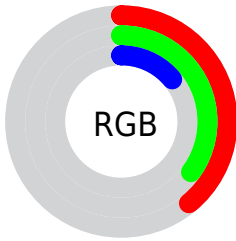
<b>Format</b>	<b>Color</b>
<b>RYB</b>	48, 100, 35
Decimal	6576419
CIELab	37.80, -2.89, 32.12
CIELCh	38, 32.250, 95.141
Yxy	9.9754, 0.4124, 0.4505
Android (android.graphics.Color)	4284766499 (0xFF645923)
YUV	86.1330, -25.2086, 12.1614
Hunter-Lab	31.5839, -3.6654, 16.4127

# Details

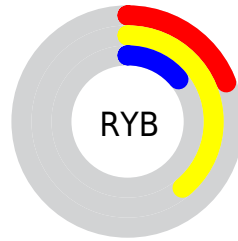
The Hex color **645923** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **232E64**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **998B52**, and **332C00** is the 20% darker color. If you saturate the color by 10%, you get **645719**, and if you desaturate by 10%, it is **645B2D**.

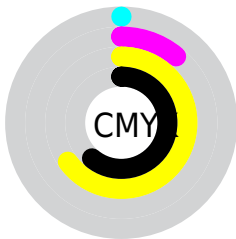
# Distribution



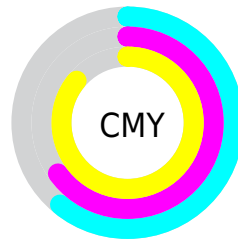
- Red (39%)
- Green (35%)
- Blue (14%)



- Red (19%)
- Yellow (39%)
- Blue (14%)



- Cyan (0%)
- Magenta (11%)
- Yellow (65%)
- Black (61%)



- Cyan (61%)
- Magenta (65%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 645923 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 645923 by changing the saturation by 10% instead.





645923



645923

FFFFFF



4B420B



998B52



332C00



B4A56B



1B1800



D0C085



000000



EDDC9F



FFF8BA



FFFFD6



FFFFFF3



645923



645923

■ 645719

■ 645B2D

■ 64560F

■ 645C37

■ 645405

■ 645E41

■ 645300

■ 64604B

■ 646155

■ 64635F

■ 646569

■ 646773

■ 64687D

# Harmonies

## Analogous

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



7A502A



645923



49602D

# Triad

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



645923



006576



7D476F

# Complementary

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



645923



232E64

# 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.



615084



645923



006188

# Square

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



645923



00665D



335A8D



894355

# Rectangle

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



645923



32633A



335A8D



754A77



# Sweetspot

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



645923



827E68



64232F



424032



C2C2C2



424242



# Same Dimension

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



645923



82711D



4F6423



33322E



735F00



F2C900



# Inverse Universe

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



232E64



1D2E82



382364



2E2F33



001373



0029F2



# Previews

## White Background



This preview shows how the Hex color 645923 looks on a white background.

## Color Contrast Check

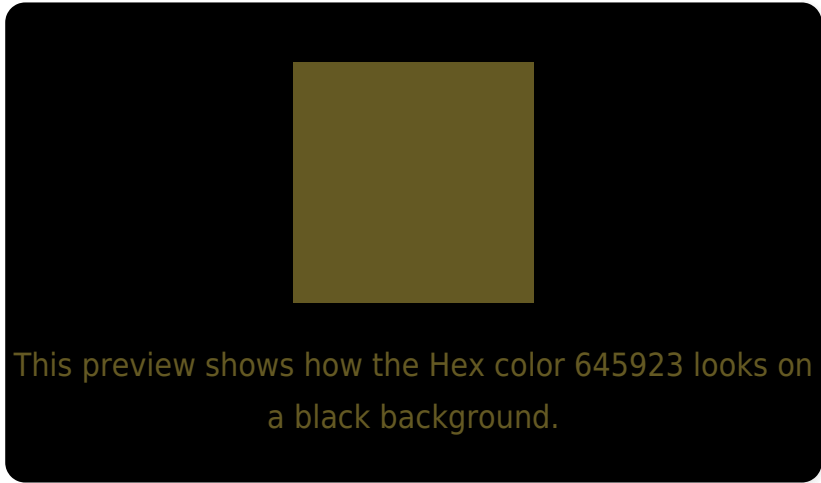
Large Text (above 18pt) WCAG AA ✓ Pass

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

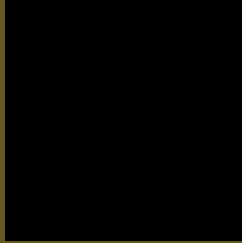
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 645923 Background



This preview shows how black text looks on a background with the Hex color 645923.



This preview shows how white text looks on a background with the Hex color 645923.

# 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**  
645923

**Protanopia**  
635923

**Deuteranopia**  
6F5524



**Tritanopia**  
69535A

# Trichromacy



**Original Color**  
645923

**Protanomaly**  
635923

**Deuteranomaly**  
6B5624

**Tritanomaly**  
675546

# Monochromacy



**Original Color**  
645923

**Achromatopsia**  
565656

**Achromatomaly**  
5B5743

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 645923 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 #645923 looks like.

```
.text, #text, p{  
    color:#645923  
}
```

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 #645923 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #645923
}
```

## Border

The CSS property to change the border of an element to Hex 645923 is called "border". The border property can be set on classes, ids or directly on the HTML element.

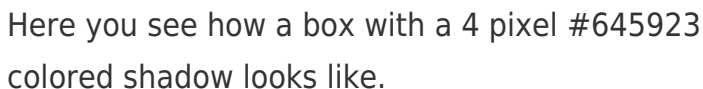
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#645923 }
```

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

```
.border{ border-color:#645923 }
```

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



Here you see how a box with a 4 pixel #645923 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #645923; -webkit-box-shadow:4px 4px  
4px 4px #645923; box-shadow:4px 4px 4px  
4px #645923 }
```

# Background

The CSS property to change the background color of an element to Hex 645923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#645923 }
```

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

```
.background{ background-color:#645923 }
```

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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