

# Converting Colors

Hex(645C1D)

Have a look what the booklet for  
Hex(645C1D) contains.

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**Color**

**Hex(645C1D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	645C1D
RGB	100, 92, 29
RGB Percent	39%, 36%, 11%
CMY	0.6078, 0.6392, 0.8863
CMYK	0.00, 0.08, 0.71, 0.61
HSL	53°, 55%, 25%
HSV	53°, 71%, 39%
XYZ	9.3044, 10.4523, 2.6895
YIQ	87.2100, 24.9910, -17.8970

# Conversions

## Conversions Part 2

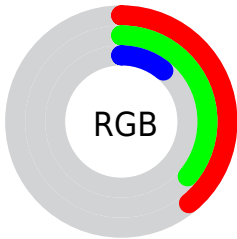
Format	Color
<b>RYB</b>	38, 100, 29
Decimal	6577181
CIELab	38.64, -5.09, 35.96
CIELCh	39, 36.323, 98.054
Yxy	10.4523, 0.4145, 0.4657
Android (android.graphics.Color)	4284767261 (0xFF645C1D)
YUV	87.2100, -28.6975, 11.2168
Hunter-Lab	32.3301, -5.2061, 17.6988

# Details

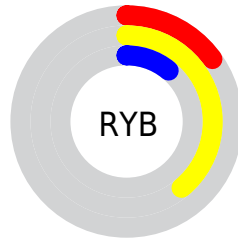
The Hex color **645C1D** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **1D2564**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **998E4D**, and **332E00** is the 20% darker color. If you saturate the color by 10%, you get **645B13**, and if you desaturate by 10%, it is **645D27**.

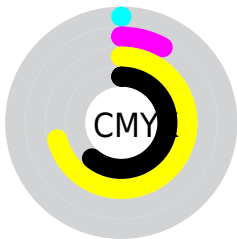
# Distribution



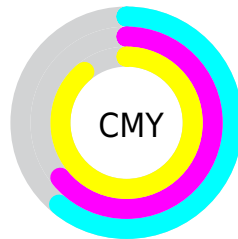
- Red (39%)
- Green (36%)
- Blue (11%)



- Red (15%)
- Yellow (39%)
- Blue (11%)



- Cyan (0%)
- Magenta (8%)
- Yellow (71%)
- Black (61%)



- Cyan (61%)
- Magenta (64%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 645C1D 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 645C1D by changing the saturation by 10% instead.



 645C1D

 645C1D

FFFFFF

 4B4504

 998E4D

 332E00

 B5A866

 1B1A00

 D1C37F

 000000

 EEDF9A

 FFFCB5

 FFFFD1

 FFFFED

 645C1D

 645C1D

■ 645B13

■ 645D27

■ 645A09

■ 645E31

■ 645900

■ 645F3B

■ 646145

■ 64624F

■ 646359

■ 646463

■ 64656D

■ 646677

# Harmonies

## Analogous

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



7D5223



645C1D



45642A

# Triad

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



645C1D



00687F



854572

# Complementary

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



645C1D



1D2564

# 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.



67508A



645C1D



006491

# Square

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



645C1D



006A62



335C95



914154

# Rectangle

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



645C1D



29673A



335C95



7D487B



# Sweetspot

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



645C1D



827F67



641D25



424032



C2C2C2



424242



# Same Dimension

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



645C1D



827614



49641D



33322E



736600



F2D700



# Inverse Universe

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



1D2564



142082



381D64



2E2E33



000D73



001BF2



# Previews

## White Background



This preview shows how the Hex color 645C1D looks on a white background.

## Color Contrast Check

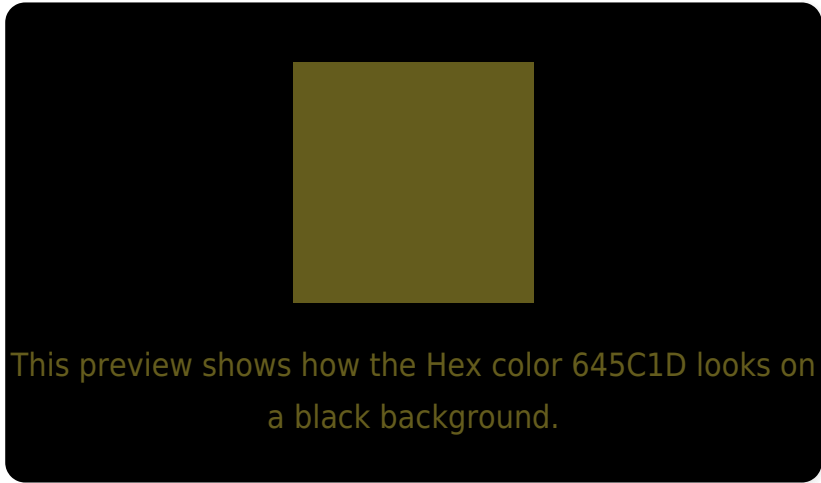
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

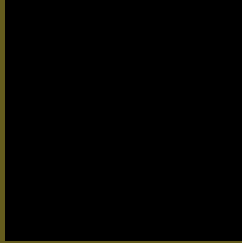
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 645C1D Background



This preview shows how black text looks on a background with the Hex color 645C1D.



This preview shows how white text looks on a background with the Hex color 645C1D.

# 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**  
645C1D

**Protanopia**  
665B1D

**Deuteranopia**  
72571F



**Tritanopia**  
69565D

# Trichromacy



**Original Color**  
645C1D

**Protanomaly**  
655B1D

**Deuteranomaly**  
6D591E

**Tritanomaly**  
675846

# Monochromacy



**Original Color**  
645C1D

**Achromatopsia**  
575757

**Achromatomaly**  
5C5942

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 645C1D 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 #645C1D looks like.

```
.text, #text, p{  
    color:#645C1D  
}
```

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 #645C1D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #645C1D
}
```

## Border

The CSS property to change the border of an element to Hex 645C1D 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
#645C1D }
```

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

```
.border{ border-color:#645C1D }
```

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

Here you see how a box with a 4 pixel #645C1D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #645C1D; -webkit-box-shadow:4px 4px  
4px 4px #645C1D; box-shadow:4px 4px 4px  
4px #645C1D }
```

# Background

The CSS property to change the background color of an element to Hex 645C1D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#645C1D }
```

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

```
.background{ background-color:#645C1D }
```

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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