

# Converting Colors

Hex(645711)

Have a look what the booklet for  
Hex(645711) contains.

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# Color

**Hex(645711)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	645711
RGB	100, 87, 17
RGB Percent	39%, 34%, 7%
CMY	0.6078, 0.6588, 0.9333
CMYK	0.00, 0.13, 0.83, 0.61
HSL	51°, 71%, 23%
HSV	51°, 83%, 39%
XYZ	8.7649, 9.5662, 1.9148
YIQ	82.9070, 30.2180, -19.0140

# Conversions

## Conversions Part 2

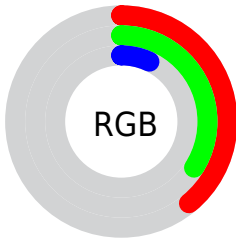
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	32, 100, 17
Decimal	6575889
CIE Lab	37.05, -2.78, 39.46
CIE LCh	37, 39.557, 94.028
Yxy	9.5662, 0.4329, 0.4725
Android (android.graphics.Color)	4284765969 (0xFF645711)
YUV	82.9070, -32.4922, 14.9906
Hunter-Lab	30.9293, -3.5419, 17.9799

# Details

The Hex color **645711** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **111E64**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **9A8942**, and **322A00** is the 20% darker color. If you saturate the color by 10%, you get **645507**, and if you desaturate by 10%, it is **64591B**.

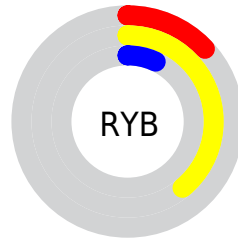
# Distribution



Red (39%)

Green (34%)

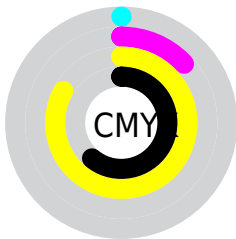
Blue (7%)



Red (13%)

Yellow (39%)

Blue (7%)

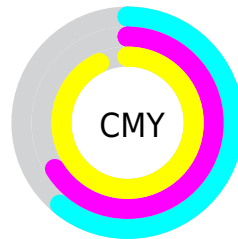


Cyan (0%)

Magenta (13%)

Yellow (83%)

Black (61%)



Cyan (61%)

Magenta (66%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 645711 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 645711 by changing the saturation by 10% instead.



 645711

 645711

FFFFFFE

 4A4000

 9A8942

 322A00

 B5A35B

 191600

 D2BE74

 000000

 EFD98F

 FFF6AA

 FFFFC5

 FFFFE1

 645711

 645711

■ 645507

■ 64591B

■ 645400

■ 645A25

■ 645C2F

■ 645D39

■ 645F43

■ 64604D

■ 646257

■ 646461

■ 64656B

# Harmonies

## Analogous

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



7E4B1C



645711



435F1E

# Triad

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



645711



00667A



814074

# Complementary

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



645711



111E64

# 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.



5E4D8C



645711



006290

# Square

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



645711



00675B



125997



903954

# Rectangle

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



645711



256330



125997



78447D



# Sweetspot

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



645711



827D62



64111F



423F2E



C2C2C2



424242



# Same Dimension

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



645711



826E00



486411



33322E



736100



F2CC00



# Inverse Universe

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



111E64



001482



2D1164



2E2F33



001273

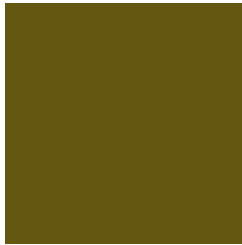


0026F2



# Previews

## White Background



This preview shows how the Hex color 645711 looks on a white background.

## Color Contrast Check

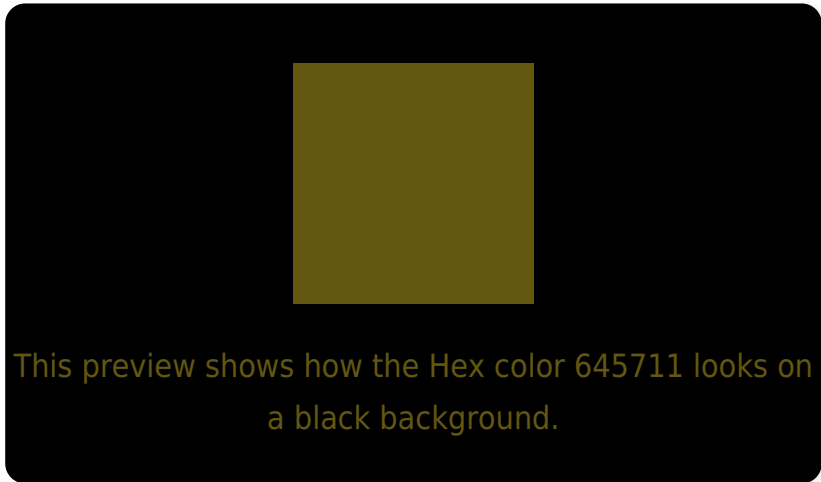
Large Text (above 18pt) WCAG AA ✓ Pass

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

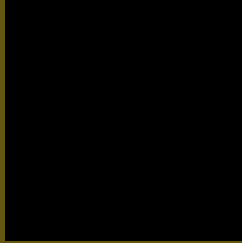
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 645711 Background



This preview shows how black text looks on a background with the Hex color 645711.



This preview shows how white text looks on a background with the Hex color 645711.

# 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**  
645711

**Protanopia**  
625811

**Deuteranopia**  
6E5313



**Tritanopia**  
695157

# Trichromacy



**Original Color**  
645711

**Protanomaly**  
635811

**Deuteranomaly**  
6A5412

**Tritanomaly**  
67533E

# Monochromacy



**Original Color**  
645711

**Achromatopsia**  
535353

**Achromatomaly**  
59543B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 645711 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 #645711 looks like.

```
.text, #text, p{  
    color:#645711  
}
```

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 #645711 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #645711
}
```

## Border

The CSS property to change the border of an element to Hex 645711 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
#645711 }
```

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

```
.border{ border-color:#645711 }
```

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

Here you see how a box with a 4 pixel #645711 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #645711; -webkit-box-shadow:4px 4px  
4px 4px #645711; box-shadow:4px 4px 4px  
4px #645711 }
```

# Background

The CSS property to change the background color of an element to Hex 645711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#645711 }
```

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

```
.background{ background-color:#645711 }
```

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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