

# Converting Colors

Hex(646811)

Have a look what the booklet for  
Hex(646811) contains.

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**Color**

**Hex(646811)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	646811
RGB	100, 104, 17
RGB Percent	39%, 41%, 7%
CMY	0.6078, 0.5922, 0.9333
CMYK	0.04, 0.00, 0.84, 0.59
HSL	63°, 72%, 24%
HSV	63°, 84%, 41%
XYZ	10.3070, 12.6504, 2.4289
YIQ	92.8860, 25.5430, -27.9050

# Conversions

## Conversions Part 2

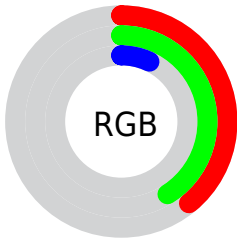
<b>Format</b>	<b>Color</b>
<b>RYB</b>	17, 104, 21
Decimal	6580241
CIELab	42.23, -12.56, 44.10
CIELCh	42, 45.854, 105.903
Yxy	12.6504, 0.4060, 0.4983
Android (android.graphics.Color)	4284770321 (0xFF646811)
YUV	92.8860, -37.4118, 6.2390
Hunter-Lab	35.5674, -10.5158, 20.8484

# Details

The Hex color **646811** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **151168**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **999B45**, and **323900** is the 20% darker color. If you saturate the color by 10%, you get **646807**, and if you desaturate by 10%, it is **64681B**.

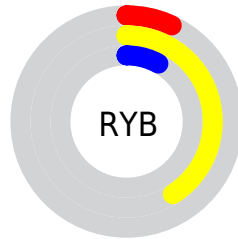
# Distribution



Red (39%)

Green (41%)

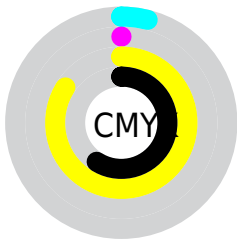
Blue (7%)



Red (7%)

Yellow (41%)

Blue (8%)

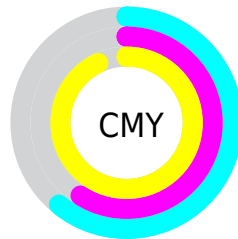


Cyan (4%)

Magenta (0%)

Yellow (84%)

Black (59%)



Cyan (61%)

Magenta (59%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 646811 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 646811 by changing the saturation by 10% instead.



646811

646811

FFFFFF

4A5000

999B45

323900

B5B65E

192400

D2D178

000F00

EFED93

000000

FFFFAE

FFFPCA

FFFFE6

646811

646811

■ 646807

■ 64681B

■ 636800

■ 656826

■ 656830

■ 66683B

■ 666845

■ 67684F

■ 67685A

■ 686864

■ 68686F

# Harmonies

## Analogous

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



865B14



646811



38702C

# Triad

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



646811



007499



9F4277

# Complementary

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



646811



151168

# 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.



7F5199



646811



006DAD

# Square

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



646811



007677



4061AD



A84051

# Rectangle

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



646811



007343



4061AD



974683



# Sweetspot

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



646811



868765



681411



444530



C4C4C4



454545



# Same Dimension

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



646811



818700



3A6811



33332E



6D7300



E7F200



# Inverse Universe

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



151168



060087



3F1168



2E2E33



050073



0B00F2



# Previews

## White Background



This preview shows how the Hex color 646811 looks on a white background.

## Color Contrast Check

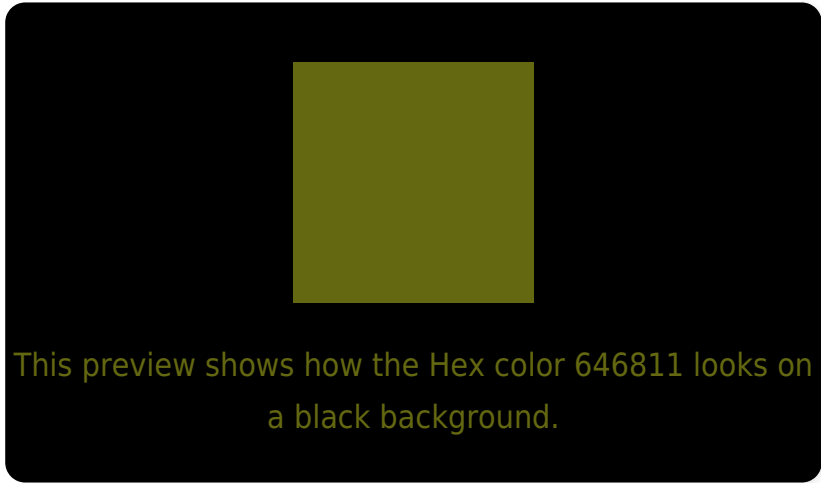
Large Text (above 18pt) WCAG AA ✓ Pass

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

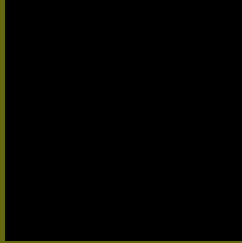
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 646811 Background



This preview shows how black text looks on a background with the Hex color 646811.



This preview shows how white text looks on a background with the Hex color 646811.

# 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**  
646811

**Protanopia**  
706410

**Deuteranopia**  
7D5F17



**Tritanopia**  
6B6168

# Trichromacy



**Original Color**  
646811

**Protanomaly**  
6C6510

**Deuteranomaly**  
746215

**Tritanomaly**  
686448

# Monochromacy



**Original Color**  
646811

**Achromatopsia**  
5D5D5D

**Achromatomaly**  
606141

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 646811 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 #646811 looks like.

```
.text, #text, p{  
    color:#646811  
}
```

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 #646811 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #646811
}
```

## Border

The CSS property to change the border of an element to Hex 646811 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
#646811 }
```

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

```
.border{ border-color:#646811 }
```

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

Here you see how a box with a 4 pixel #646811 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #646811; -webkit-box-shadow:4px 4px  
4px 4px #646811; box-shadow:4px 4px 4px  
4px #646811 }
```

# Background

The CSS property to change the background color of an element to Hex 646811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#646811 }
```

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

```
.background{ background-color:#646811 }
```

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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