

# Converting Colors

Hex(647216)

Have a look what the booklet for  
Hex(647216) contains.

<b>Hex(647216)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(647216)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	647216
RGB	100, 114, 22
RGB Percent	39%, 45%, 9%
CMY	0.6078, 0.5529, 0.9137
CMYK	0.12, 0.00, 0.81, 0.55
HSL	69°, 68%, 27%
HSV	69°, 81%, 45%
XYZ	11.4177, 14.8019, 3.0143
YIQ	99.3260, 21.1880, -31.5800

# Conversions

## Conversions Part 2

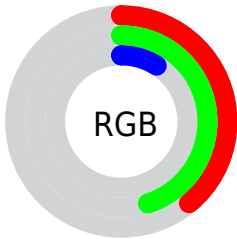
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 114, 36
Decimal	6582806
CIE <sub>Lab</sub>	45.36, -17.78, 45.29
CIE <sub>LCh</sub>	45, 48.659, 111.435
Yxy	14.8019, 0.3906, 0.5063
Android (android.graphics.Color)	4284772886 (0xFF647216)
YUV	99.3260, -38.1217, 0.5911
Hunter-Lab	38.4732, -14.3548, 22.2859

# Details

The Hex color **647216** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **241672**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **99A64A**, and **324200** is the 20% darker color. If you saturate the color by 10%, you get **62720B**, and if you desaturate by 10%, it is **667221**.

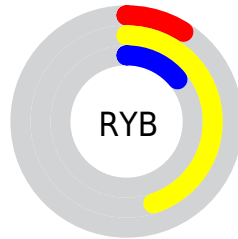
# Distribution



Red (39%)

Green (45%)

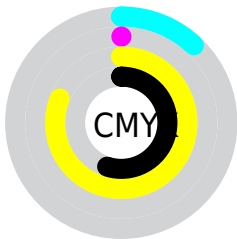
Blue (9%)



Red (9%)

Yellow (45%)

Blue (14%)

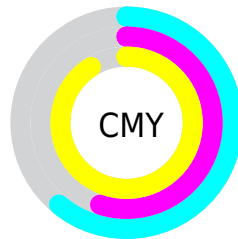


Cyan (12%)

Magenta (0%)

Yellow (81%)

Black (55%)



Cyan (61%)

Magenta (55%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 647216 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 647216 by changing the saturation by 10% instead.





647216



647216

FFFFFF



4A5A00



99A64A



324200



B5C164



192C00



D2DD7E



001900



EEF998



000000



FFFFB4



FFFFD0



FFFFEC



647216



647216

■ 62720B

■ 667221

■ 617200

■ 67722D

■ 697238

■ 6B7244

■ 6D724F

■ 6E725A

■ 707266

■ 727271

■ 74727D

# Harmonies

## Analogous

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



8A6512



647216



307A36

# Triad

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



647216



007CAA



AF4679

# Complementary

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



647216



241672

# 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.



91549F



647216



0073BC

# Square

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



647216



007F88



5665B7



B44750

# Rectangle

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



647216



007D50



5665B7



A84986



# Sweetspot

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



647216



8E9470



722416



474A35



C9C9C9



4A4A4A



# Same Dimension

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



647216



7E9404



367216



373832



667800



D2F700



# Inverse Universe

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



241672



1A0494



521672



333238



120078



2600F7



# Previews

## White Background



This preview shows how the Hex color 647216 looks on a white background.

## Color Contrast Check

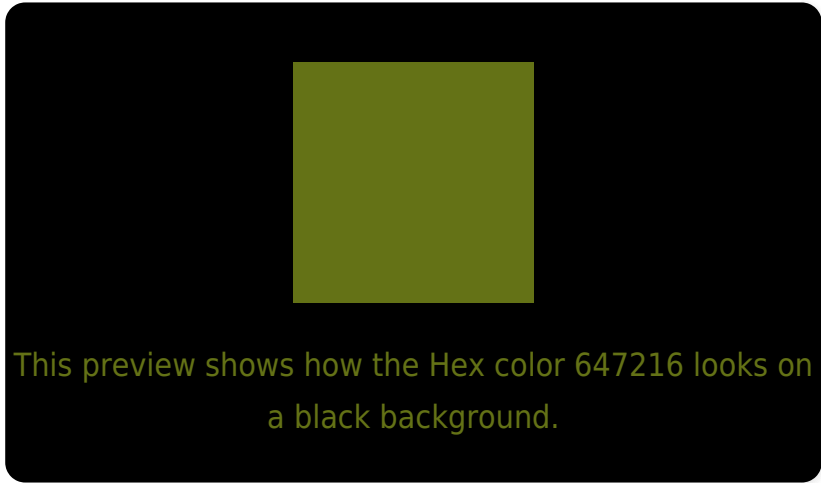
Large Text (above 18pt) WCAG AA ✓ Pass

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

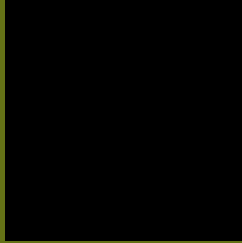
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 647216 Background



This preview shows how black text looks on a background with the Hex color 647216.



This preview shows how white text looks on a background with the Hex color 647216.

# 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**  
647216

**Protanopia**  
796C14

**Deuteranopia**  
87661D



**Tritanopia**  
6C6A73

# Trichromacy



**Original Color**  
647216

**Protanomaly**  
716E15

**Deuteranomaly**  
7A6A1A

**Tritanomaly**  
696D51

# Monochromacy



**Original Color**  
647216

**Achromatopsia**  
636363

**Achromatomaly**  
636847

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 647216 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 #647216 looks like.

```
.text, #text, p{  
    color:#647216  
}
```

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 #647216 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #647216
}
```

## Border

The CSS property to change the border of an element to Hex 647216 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
#647216 }
```

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

```
.border{ border-color:#647216 }
```

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

Here you see how a box with a 4 pixel #647216 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #647216; -webkit-box-shadow:4px 4px  
4px 4px #647216; box-shadow:4px 4px 4px  
4px #647216 }
```

# Background

The CSS property to change the background color of an element to Hex 647216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#647216 }
```

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

```
.background{ background-color:#647216 }
```

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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