

Converting Colors

Hex(647AEA)

Have a look what the booklet for
Hex(647AEA) contains.

Hex(647AEA)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(647AEA)

Conversions

Conversions Part 1

Format	Color
Hex	647AEA
RGB	100, 122, 234
RGB Percent	39%, 48%, 92%
CMY	0.6078, 0.5216, 0.0824
CMYK	0.57, 0.48, 0.00, 0.08
HSL	230°, 76%, 65%
HSV	230°, 57%, 92%
XYZ	27.0663, 22.5689, 80.7716
YIQ	128.1900, -49.0640, 30.1680

Conversions

Conversions Part 2

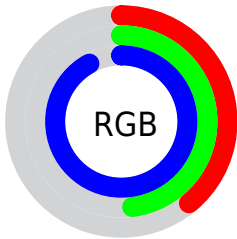
Format	Color
RYB	100, 119, 234
Decimal	6585066
CIELab	54.63, 24.53, -59.28
CIELCh	55, 64.157, 292.482
Yxy	22.5689, 0.2076, 0.1731
Android (android.graphics.Color)	4284775146 (0xFF647AEA)
YUV	128.1900, 52.1643, -24.7226
Hunter-Lab	47.5067, 18.5612, -67.5509

Details

The Hex color **647AEA** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **EAD464**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **A0AEFF**, and **1B4AB1** is the 20% darker color. If you saturate the color by 10%, you get **4D66EA**, and if you desaturate by 10%, it is **7B8EEA**.

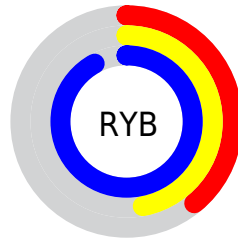
Distribution



Red (39%)

Green (48%)

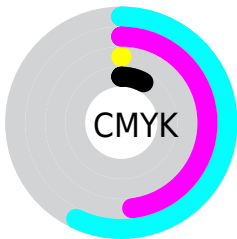
Blue (92%)



Red (39%)

Yellow (47%)

Blue (92%)

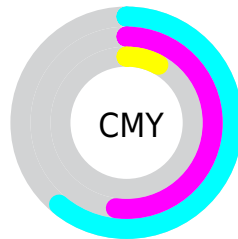


Cyan (57%)

Magenta (48%)

Yellow (0%)

Black (8%)



Cyan (61%)

Magenta (52%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Hex color 647AEA 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 647AEA by changing the saturation by 10% instead.

■ 647AEA

■ 647AEA

FFFFFF

■ 4461CD

■ A0AEFF

■ 1B4AB1

■ BEC9FF

■ 003496

■ DBE5FF

■ 00207C

■ FAFFFF

■ 000C62

■ 000849

■ 000432

■ 00011C

■ 000000

■ 647AEA

■ 647AEA

■ 4D66EA

■ 7B8EEA

■ 3553EA

■ 93A1EA

■ 1E3FEA

■ AAB5EA

■ 062CEA

■ C2C8EA

■ 0026EA

■ D9DCEA

■ F0EFEA

■ FFFFEA

Harmonies

Analogous

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



008DF1



647AEA



B760C7

Triad

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



647AEA



D06429



009B72

Complementary

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



647AEA



EAD464

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.



22963A



647AEA



A87B00

Square

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



647AEA



E44D5C



758C00



009CAC

Rectangle

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



647AEA



D54FA5



758C00



009A5F

Sweetspot

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



647AEA



D4DBFF



64EAD4



666A80



000000



808080

Same Dimension

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



647AEA



4F6CFF



9164EA



6A6B75



001EB5



000936

Inverse Universe

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



EA647A



FF4F6C



BDEA64



756A6B



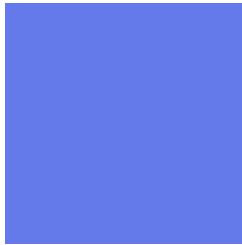
B5001E



360009

Previews

White Background



This preview shows how the Hex color 647AEA looks on a white background.

Color Contrast Check

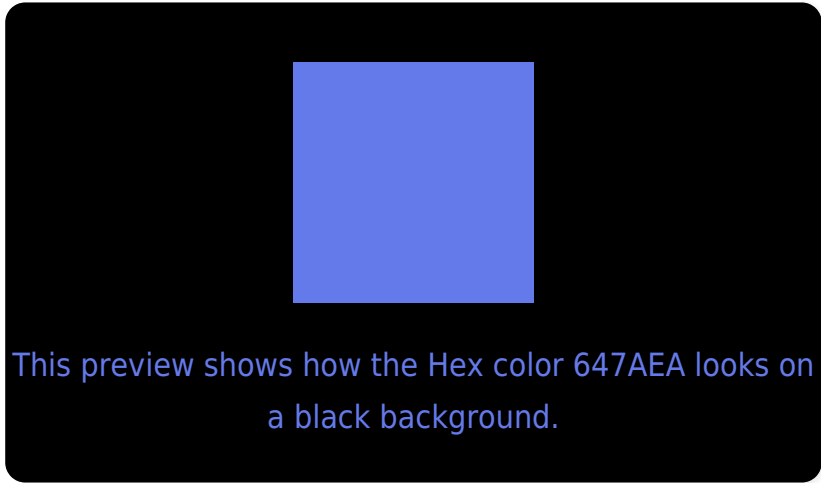
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

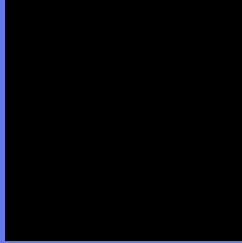
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Hex 647AEA Background



This preview shows how black text looks on a background with the Hex color 647AEA.



This preview shows how white text looks on a background with the Hex color 647AEA.

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](#).

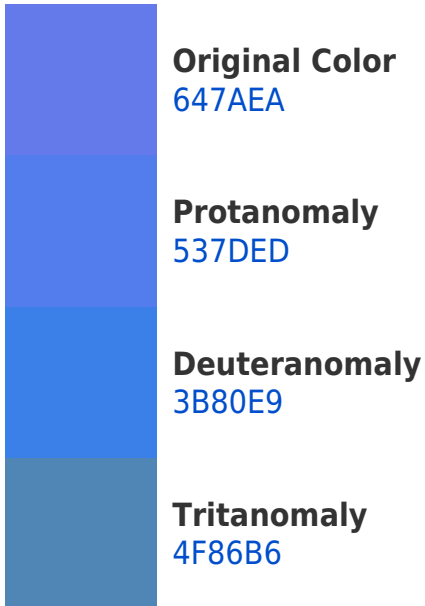
Dichromacy



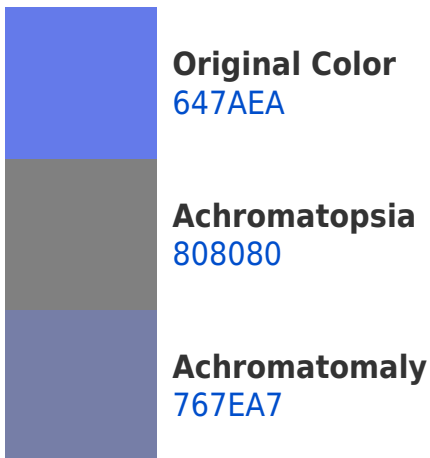


Tritanopia
438D98

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 647AEA 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 #647AEA looks like.

```
.text, #text, p{  
    color:#647AEA  
}
```

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 #647AEA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #647AEA
}
```

Border

The CSS property to change the border of an element to Hex 647AEA 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
#647AEA }
```

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

```
.border{ border-color:#647AEA }
```

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

Here you see how a box with a 4 pixel #647AEA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #647AEA; -webkit-box-shadow:4px 4px  
4px 4px #647AEA; box-shadow:4px 4px 4px  
4px #647AEA }
```

Background

The CSS property to change the background color of an element to Hex 647AEA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#647AEA }
```

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

```
.background{ background-color:#647AEA }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor