

Converting Colors

Hex(647EA2)

Have a look what the booklet for
Hex(647EA2) contains.

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Color

Hex(647EA2)

Conversions

Conversions Part 1

Format	Color
Hex	647EA2
RGB	100, 126, 162
RGB Percent	39%, 49%, 64%
CMY	0.6078, 0.5059, 0.3647
CMYK	0.38, 0.22, 0.00, 0.36
HSL	215°, 25%, 51%
HSV	215°, 38%, 64%
XYZ	19.2380, 20.2397, 37.0751
YIQ	122.3300, -27.0520, 5.6840

Conversions

Conversions Part 2

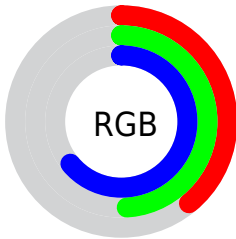
Format	Color
RYB	100, 118, 162
Decimal	6586018
CIELab	52.11, 0.00, -22.23
CIELCh	52, 22.234, 270.010
Yxy	20.2397, 0.2513, 0.2644
Android (android.graphics.Color)	4284776098 (0xFF647EA2)
YUV	122.3300, 19.5573, -19.5834
Hunter-Lab	44.9885, -2.3998, -17.3690

Details

The Hex color **647EA2** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **A28864**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **99B3D9**, and **314D6E** is the 20% darker color. If you saturate the color by 10%, you get **5475A2**, and if you desaturate by 10%, it is **7487A2**.

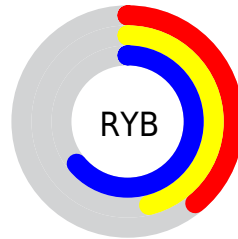
Distribution



Red (39%)

Green (49%)

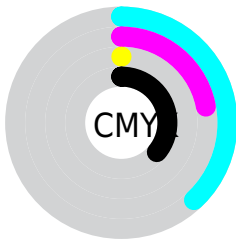
Blue (64%)



Red (39%)

Yellow (46%)

Blue (64%)

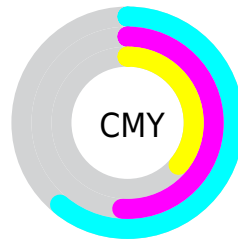


Cyan (38%)

Magenta (22%)

Yellow (0%)

Black (36%)



Cyan (61%)

Magenta (51%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Hex color 647EA2 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 647EA2 by changing the saturation by 10% instead.

■ 647EA2

■ 647EA2

FFFFFF

■ 4B6588

■ 99B3D9

■ 314D6E

■ B4CEF5

■ 173756

■ D0EAFF

■ 00213E

■ EDFFFF

■ 000A28

■ 000113

■ 000000

■ 647EA2

■ 647EA2

■ 5475A2

■ 7487A2

■ 446BA2

■ 8491A2

■ 3362A2

■ 959AA2

■ 2358A2

■ A5A4A2

■ 134FA2

■ B5ADA2

■ 0346A2

■ C5B6A2

■ 0044A2

■ D5C0A2

■ E6C9A2

■ F6D3A2

Harmonies

Analogous

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



4B839D



647EA2



7F779D

Triad

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



647EA2



A2706A



608569

Complementary

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



647EA2



A28864

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.



76815B



647EA2



9A755C

Square

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



647EA2



A16E7D



8A7B56



4B877C

Rectangle

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



647EA2



8E7395



8A7B56



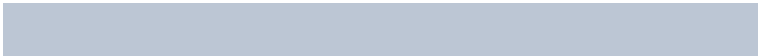
678463

Sweetspot

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



647EA2



BCC6D4



64A287



5D636B



EBEBEB



6B6B6B

Same Dimension

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



647EA2



729BD4



6864A2



494D52



003D91



000712

Inverse Universe

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



A2647E



D4729B



9EA264



52494D



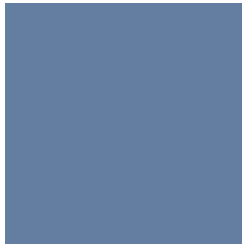
91003D



120007

Previews

White Background



This preview shows how the Hex color 647EA2 looks on a white background.

Color Contrast Check

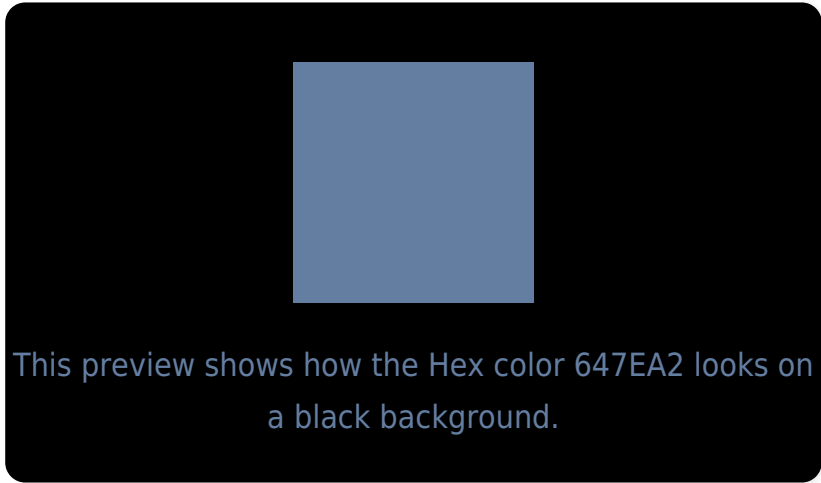
Large Text (above 18pt) WCAG AA ✓ Pass

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

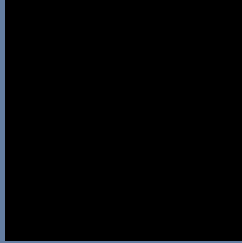
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

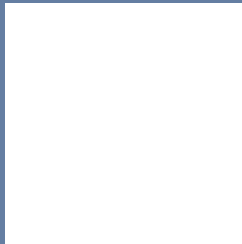
Any Text WCAG AAA × Fail

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

Hex 647EA2 Background



This preview shows how black text looks on a background with the Hex color 647EA2.



This preview shows how white text looks on a background with the Hex color 647EA2.

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
647EA2

Protanopia
727B9F

Deuteranopia
737AA3



Tritanopia
5F828C

Trichromacy



Original Color
647EA2

Protanomaly
6D7CA0

Deuteranomaly
6E7BA3

Tritanomaly
618194

Monochromacy



Original Color
647EA2

Achromatopsia
7A7A7A

Achromatomaly
727B89

CSS Examples

Text

The CSS property to change the color of the text to Hex 647EA2 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 #647EA2 looks like.

```
.text, #text, p{  
    color:#647EA2  
}
```

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 #647EA2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #647EA2
}
```

Border

The CSS property to change the border of an element to Hex 647EA2 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
#647EA2 }
```

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

```
.border{ border-color:#647EA2 }
```

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

Here you see how a box with a 4 pixel #647EA2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #647EA2; -webkit-box-shadow:4px 4px  
4px 4px #647EA2; box-shadow:4px 4px 4px  
4px #647EA2 }
```

Background

The CSS property to change the background color of an element to Hex 647EA2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#647EA2 }
```

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

```
.background{ background-color:#647EA2 }
```

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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