

Converting Colors

Hex(647AA9)

Have a look what the booklet for
Hex(647AA9) contains.

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Color

Hex(647AA9)

Conversions

Conversions Part 1

Format	Color
Hex	647AA9
RGB	100, 122, 169
RGB Percent	39%, 48%, 66%
CMY	0.6078, 0.5216, 0.3373
CMYK	0.41, 0.28, 0.00, 0.34
HSL	221°, 29%, 53%
HSV	221°, 41%, 66%
XYZ	19.3765, 19.4930, 40.2774
YIQ	120.7800, -28.1990, 9.9530

Conversions

Conversions Part 2

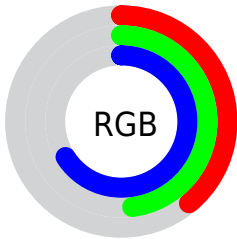
Format	Color
R_{YB}	100, 117, 169
Decimal	6585001
CIE _{Lab}	51.26, 4.36, -27.61
CIE _{LCh}	51, 27.949, 278.980
Yxy	19.4930, 0.2448, 0.2463
Android (android.graphics.Color)	4284775081 (0xFF647AA9)
YUV	120.7800, 23.7725, -18.2241
Hunter-Lab	44.1508, 1.0744, -23.1828

Details

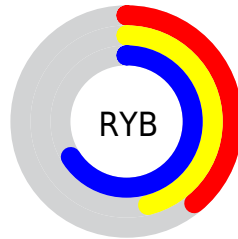
The Hex color **647AA9** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **A99364**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **99AEE0**, and **304A75** is the 20% darker color. If you saturate the color by 10%, you get **536EA9**, and if you desaturate by 10%, it is **7586A9**.

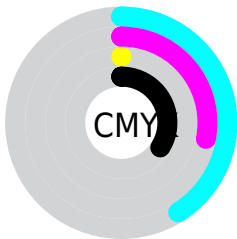
Distribution



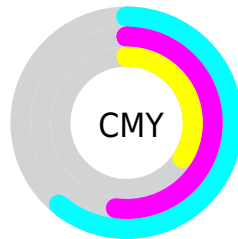
- Red (39%)
- Green (48%)
- Blue (66%)



- Red (39%)
- Yellow (46%)
- Blue (66%)



- Cyan (41%)
- Magenta (28%)
- Yellow (0%)
- Black (34%)



- Cyan (61%)
- Magenta (52%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Hex color 647AA9 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 647AA9 by changing the saturation by 10% instead.

■ 647AA9

■ 647AA9

FFFFFF

■ 4A618E

■ 99AEE0

■ 304A75

■ B5CAFD

■ 14335C

■ D1E6FF

■ 001F44

■ EEEFFF

■ 00042E

■ 000118

■ 000000

■ 647AA9

■ 647AA9

■ 536EA9

■ 7586A9

■ 4263A9

■ 8691A9

■ 3157A9

■ 979DA9

■ 204CA9

■ A8A8A9

■ 0F40A9

■ B8B4A9

■ 0036A9

■ C9BFA9

■ DACBA9

■ EBD6A9

■ FCE2A9

Harmonies

Analogous

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



3D81A6



647AA9



86719F

Triad

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



647AA9



A66B5D



4C8668

Complementary

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



647AA9



A99364

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.



698254



647AA9



98734E

Square

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



647AA9



A96874



837B4A



2E8781

Rectangle

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



647AA9



986C93



837B4A



568561

Sweetspot

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



647AA9



C1C9DB



64A992



5E636E



EDEDED



6E6E6E

Same Dimension

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



647AA9



7092DB



6F64A9



4C4E54



002F94



000714

Inverse Universe

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



A9647A



DB7092



9DA964



544C4E



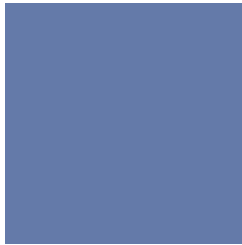
94002F



140007

Previews

White Background



This preview shows how the Hex color 647AA9 looks on a white background.

Color Contrast Check

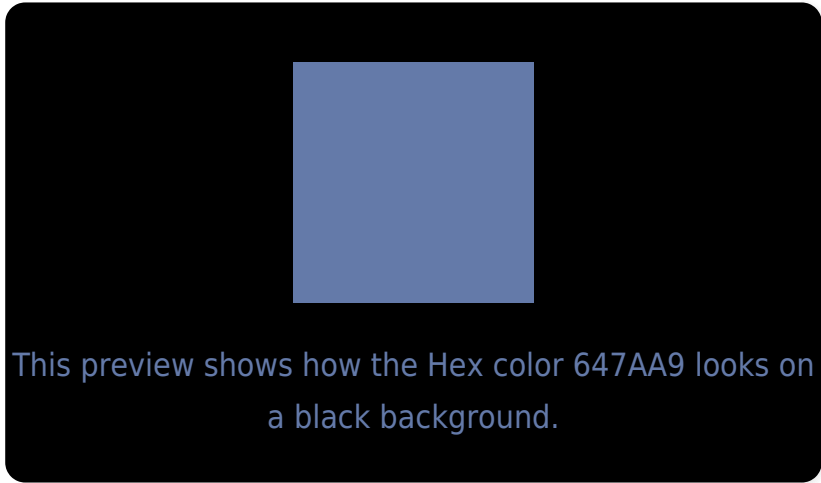
Large Text (above 18pt) WCAG AA ✓ Pass

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

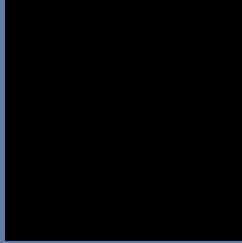
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

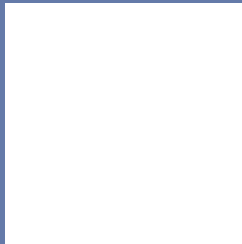
Any Text WCAG AAA × Fail

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

Hex 647AA9 Background



This preview shows how black text looks on a background with the Hex color 647AA9.

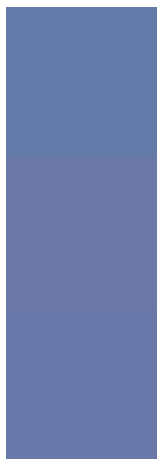


This preview shows how white text looks on a background with the Hex color 647AA9.

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

647AA9

Protanopia

6C78A8

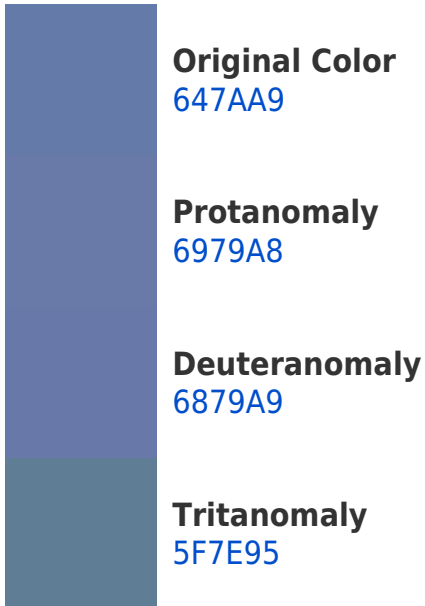
Deuteranopia

6A78A9



Tritanopia
5C808A

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 647AA9 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 #647AA9 looks like.

```
.text, #text, p{  
    color:#647AA9  
}
```

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 #647AA9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #647AA9
}
```

Border

The CSS property to change the border of an element to Hex 647AA9 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".

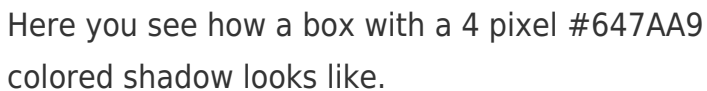
```
.border, #border, table{ border:4px solid
#647AA9 }
```

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

```
.border{ border-color:#647AA9 }
```

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

Here you see how a box with a 4 pixel #647AA9 colored shadow looks like.

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #647AA9; -webkit-box-shadow:4px 4px  
4px 4px #647AA9; box-shadow:4px 4px 4px  
4px #647AA9 }
```

Background

The CSS property to change the background color of an element to Hex 647AA9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#647AA9 }
```

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

```
.background{ background-color:#647AA9 }
```

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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