

Converting Colors

Hex(646CA0)

Have a look what the booklet for
Hex(646CA0) contains.

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Color

Hex(646CA0)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 646CA0 |
| RGB | 100, 108, 160 |
| RGB Percent | 39%, 42%, 63% |
| CMY | 0.6078, 0.5765, 0.3725 |
| CMYK | 0.38, 0.32, 0.00, 0.37 |
| HSL | 232°, 24%, 51% |
| HSV | 232°, 38%, 63% |
| XYZ | 16.9633, 15.9725, 35.4466 |
| YIQ | 111.5360, -21.4600, 14.4760 |

Conversions

Conversions Part 2

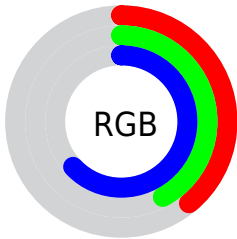
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 100, 107, 160 |
| Decimal | 6581408 |
| CIE _{Lab} | 46.94, 10.22, -29.07 |
| CIE _{LCh} | 47, 30.815, 289.376 |
| Yxy | 15.9725, 0.2481, 0.2336 |
| Android (android.graphics.Color) | 4284771488 (0xFF646CA0) |
| YUV | 111.5360, 23.8928, -10.1171 |
| Hunter-Lab | 39.9656, 5.8238, -24.6100 |

Details

The Hex color **646CA0** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **A09864**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **999FD7**, and **313D6C** is the 20% darker color. If you saturate the color by 10%, you get **545EA0**, and if you desaturate by 10%, it is **747AA0**.

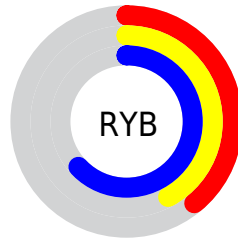
Distribution



Red (39%)

Green (42%)

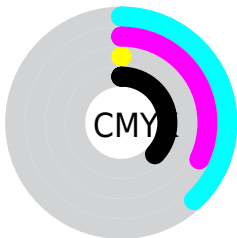
Blue (63%)



Red (39%)

Yellow (42%)

Blue (63%)

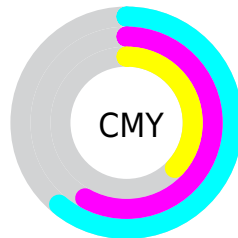


Cyan (38%)

Magenta (32%)

Yellow (0%)

Black (37%)



Cyan (61%)

Magenta (58%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Hex color 646CA0 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 646CA0 by changing the saturation by 10% instead.

■ 646CA0

■ 646CA0

FFFFFF

■ 4B5486

■ 999FD7

■ 313D6C

■ B4BAF3

■ 172754

■ D0D6FF

■ 00133C

■ EDF2FF

■ 000326

■ 00010F

■ 000000

■ 646CA0

■ 646CA0

■ 545EA0

■ 747AA0

■ 4450A0

■ 8488A0

■ 3442A0

■ 9496A0

■ 2435A0

■ A4A3A0

■ 1427A0

■ B4B1A0

■ 0419A0

■ C4BFA0

■ 0015A0

■ D4CDA0

■ E4DBA0

■ F4E9A0

Harmonies

Analogous

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



3475A2



646CA0



876291

Triad

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



646CA0



9A6249



2C7C65

Complementary

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



646CA0



A09864

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.



51794D



646CA0



886B3C

Square

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



646CA0



A15B5F



6F733D



007D80

Rectangle

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



646CA0



965D82



6F733D



3A7C5C

Sweetspot

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



646CA0



BABDD1



64A098



5B5D69



E8E8E8



696969

Same Dimension

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



646CA0



7380D1



7A64A0



47484F



00138F



00020F

Inverse Universe

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



A0646C



D17380



8AA064



4F4748



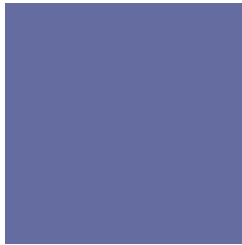
8F0013



0F0002

Previews

White Background



This preview shows how the Hex color 646CA0 looks on a white background.

Color Contrast Check

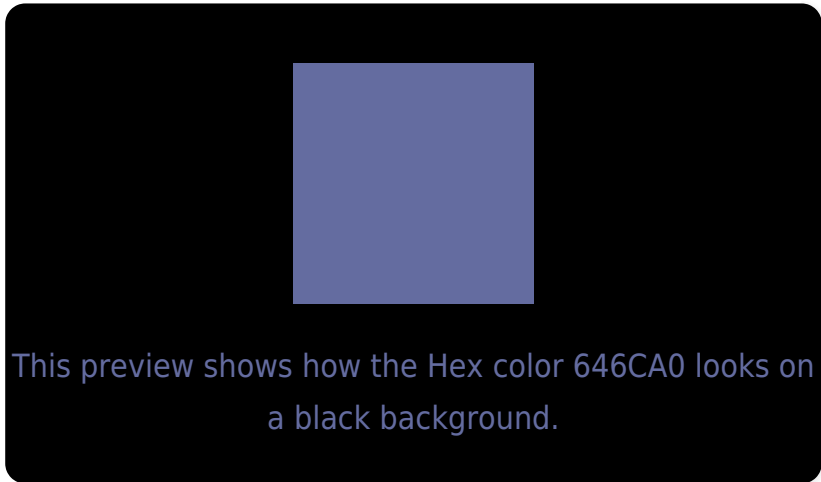
Large Text (above 18pt) WCAG AA ✓ Pass

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

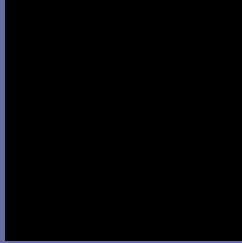
Any Text WCAG AA × Fail

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 646CA0 Background



This preview shows how black text looks on a background with the Hex color 646CA0.



This preview shows how white text looks on a background with the Hex color 646CA0.

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
646CA0

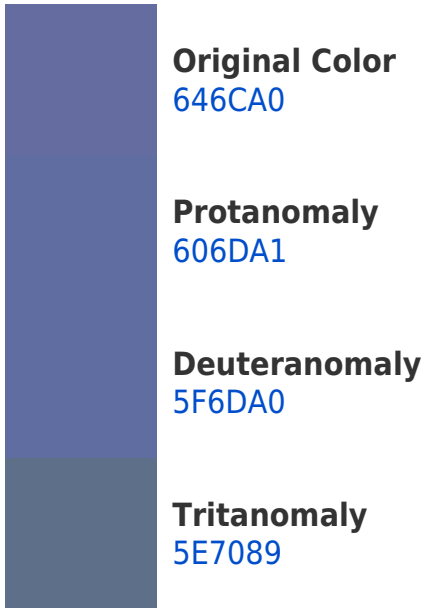
Protanopia
5E6DA1

Deuteranopia
5C6EA0



Tritanopia
5B737C

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 646CA0 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 #646CA0 looks like.

```
.text, #text, p{  
    color:#646CA0  
}
```

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 #646CA0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #646CA0
}
```

Border

The CSS property to change the border of an element to Hex 646CA0 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".

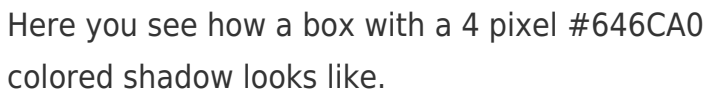
```
.border, #border, table{ border:4px solid
#646CA0 }
```

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

```
.border{ border-color:#646CA0 }
```

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

Here you see how a box with a 4 pixel #646CA0 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 #646CA0; -webkit-box-shadow:4px 4px  
4px 4px #646CA0; box-shadow:4px 4px 4px  
4px #646CA0 }
```

Background

The CSS property to change the background color of an element to Hex 646CA0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#646CA0 }
```

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

```
.background{ background-color:#646CA0 }
```

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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