

Converting Colors

Hex(646C94)

Have a look what the booklet for
Hex(646C94) contains.

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Color

Hex(646C94)

Conversions

Conversions Part 1

Format	Color
Hex	646C94
RGB	100, 108, 148
RGB Percent	39%, 42%, 58%
CMY	0.6078, 0.5765, 0.4196
CMYK	0.32, 0.27, 0.00, 0.42
HSL	230°, 19%, 49%
HSV	230°, 32%, 58%
XYZ	15.9634, 15.5726, 30.1814
YIQ	110.1680, -17.6080, 10.7440

Conversions

Conversions Part 2

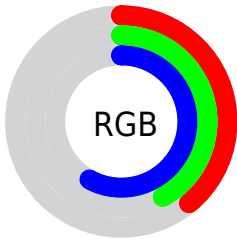
Format	Color
R _Y B	100, 107, 148
Decimal	6581396
CIE Lab	46.41, 6.86, -22.80
CIE LCh	46, 23.813, 286.752
Yxy	15.5726, 0.2587, 0.2523
Android (android.graphics.Color)	4284771476 (0xFF646C94)
YUV	110.1680, 18.6512, -8.9173
Hunter-Lab	39.4621, 3.1490, -17.7227

Details

The Hex color **646C94** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **948C64**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **989FCA**, and **333D61** is the 20% darker color. If you saturate the color by 10%, you get **556094**, and if you desaturate by 10%, it is **737894**.

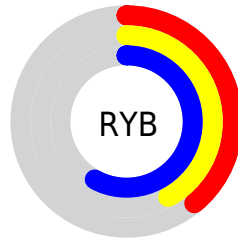
Distribution



Red (39%)

Green (42%)

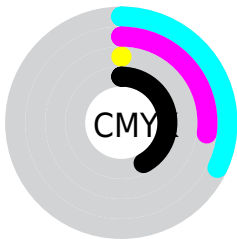
Blue (58%)



Red (39%)

Yellow (42%)

Blue (58%)

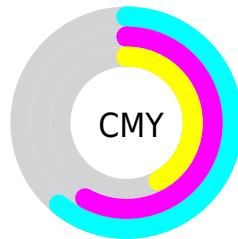


Cyan (32%)

Magenta (27%)

Yellow (0%)

Black (42%)



Cyan (61%)

Magenta (58%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Hex color 646C94 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 646C94 by changing the saturation by 10% instead.

■ 646C94

■ 646C94

FFFFFF

■ 4B547A

■ 989FCA

■ 333D61

■ B3BAE6

■ 1B2749

■ CFD6FF

■ 021332

■ ECF2FF

■ 00021D

■ 000000

■ 646C94

■ 646C94

■ 556094

■ 737894

■ 465394

■ 828594

■ 384794

■ 909194

■ 293B94

■ 9F9D94

■ 1A2E94

■ AEAA94

■ 0B2294

■ BDB694

■ 001994

■ CCC294

■ DACF94

■ E9DB94

Harmonies

Analogous

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



457394



646C94



7E6589

Triad

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



646C94



916352



427864

Complementary

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



646C94



948C64

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.



5A7552



646C94



846A47

Square

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



646C94



965F63



707047



2D7979

Rectangle

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



646C94



8B617E



707047



4A785E

Sweetspot

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



646C94



ACAFBF



64948C



555761



E0E0E0



616161

Same Dimension

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



646C94



7581BF



746494



43444A



00178A



00020A

Inverse Universe

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



94646C



BF7581



849464



4A4344



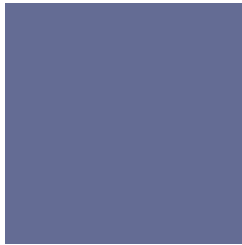
8A0017



0A0002

Previews

White Background



This preview shows how the Hex color 646C94 looks on a white background.

Color Contrast Check

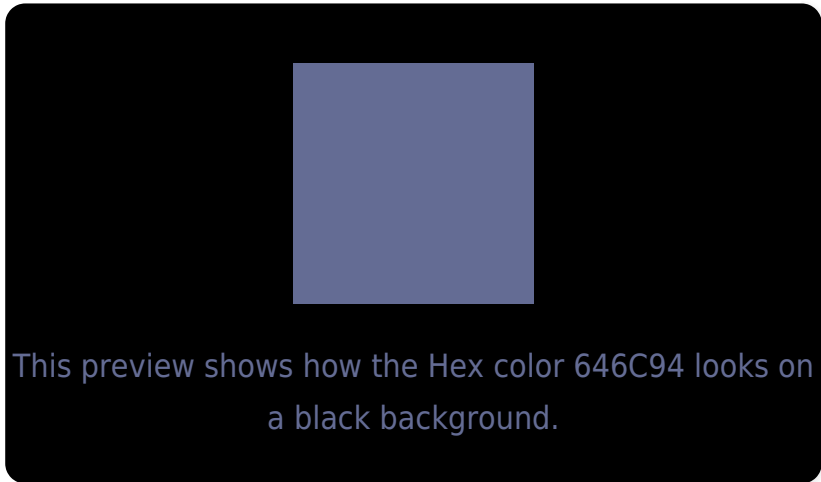
Large Text (above 18pt) WCAG AA ✓ Pass

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

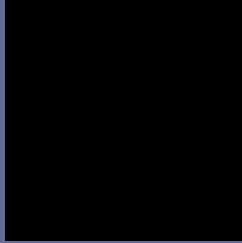
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

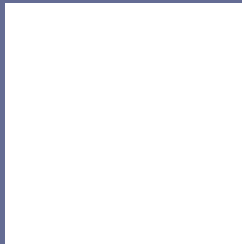
Any Text WCAG AAA × Fail

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

Hex 646C94 Background



This preview shows how black text looks on a background with the Hex color 646C94.



This preview shows how white text looks on a background with the Hex color 646C94.

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
646C94

Protanopia
626C94

Deuteranopia
636C94



Tritanopia
5E717A

Trichromacy



Original Color
646C94

Protanomaly
636C94

Deuteranomaly
636C94

Tritanomaly
606F83

Monochromacy



Original Color
646C94

Achromatopsia
6E6E6E

Achromatomaly
6A6D7C

CSS Examples

Text

The CSS property to change the color of the text to Hex 646C94 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 #646C94 looks like.

```
.text, #text, p{  
    color:#646C94  
}
```

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 #646C94 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #646C94
}
```

Border

The CSS property to change the border of an element to Hex 646C94 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
#646C94 }
```

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

```
.border{ border-color:#646C94 }
```

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

Here you see how a box with a 4 pixel #646C94 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #646C94; -webkit-box-shadow:4px 4px  
4px 4px #646C94; box-shadow:4px 4px 4px  
4px #646C94 }
```

Background

The CSS property to change the background color of an element to Hex 646C94 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#646C94 }
```

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

```
.background{ background-color:#646C94 }
```

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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