

Converting Colors

Hex(646D9B)

Have a look what the booklet for
Hex(646D9B) contains.

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Color

Hex(646D9B)

Conversions

Conversions Part 1

Format	Color
Hex	646D9B
RGB	100, 109, 155
RGB Percent	39%, 43%, 61%
CMY	0.6078, 0.5725, 0.3922
CMYK	0.35, 0.30, 0.00, 0.39
HSL	230°, 22%, 50%
HSV	230°, 35%, 61%
XYZ	16.6406, 16.0132, 33.2241
YIQ	111.5530, -20.1300, 12.3980

Conversions

Conversions Part 2

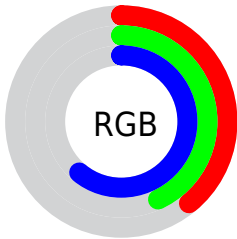
Format	Color
R_{YB}	100, 108, 155
Decimal	6581659
CIE _{Lab}	46.99, 8.20, -26.04
CIE _{LCh}	47, 27.300, 287.474
Yxy	16.0132, 0.2526, 0.2431
Android (android.graphics.Color)	4284771739 (0xFF646D9B)
YUV	111.5530, 21.4194, -10.1320
Hunter-Lab	40.0164, 4.1992, -21.2147

Details

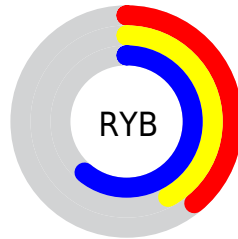
The Hex color **646D9B** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **9B9264**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **98A0D2**, and **323E68** is the 20% darker color. If you saturate the color by 10%, you get **55609B**, and if you desaturate by 10%, it is **747A9B**.

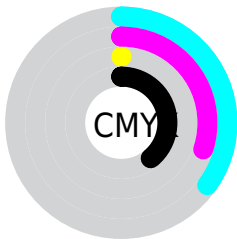
Distribution



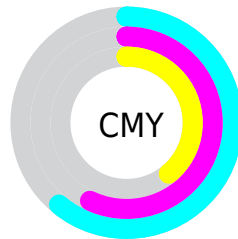
- Red (39%)
- Green (43%)
- Blue (61%)



- Red (39%)
- Yellow (42%)
- Blue (61%)



- Cyan (35%)
- Magenta (30%)
- Yellow (0%)
- Black (39%)



- Cyan (61%)
- Magenta (57%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Hex color 646D9B 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 646D9B by changing the saturation by 10% instead.

■ 646D9B

■ 646D9B

FFFFFF

■ 4B5581

■ 98A0D2

■ 323E68

■ B4BBEE

■ 19284F

■ D0D7FF

■ 001438

■ ECF3FF

■ 000222

■ 000009

■ 000000

■ 646D9B

■ 646D9B

■ 55609B

■ 747A9B

■ 45539B

■ 83879B

■ 36469B

■ 93949B

■ 26399B

■ A2A19B

■ 172C9B

■ B2AE9B

■ 071F9B

■ C1BB9B

■ 00199B

■ D1C89B

■ E0D59B

■ F0E29B

Harmonies

Analogous

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



3E759C



646D9B



83658F

Triad

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



646D9B



97634F



3A7B65

Complementary

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



646D9B



9B9264

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.



577850



646D9B



876B43

Square

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



646D9B



9C5E63



717243



1A7C7C

Rectangle

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



646D9B



916081



717243



447A5D

Sweetspot

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



646D9B



B3B7C9



649B92



595B66



E6E6E6



666666

Same Dimension

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



646D9B



7381C9



76649B



45464D



00178C



00020D

Inverse Universe

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



9B646D



C97381



899B64



4D4546



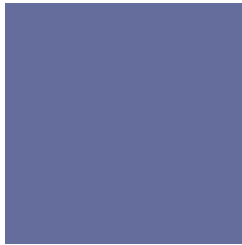
8C0017



0D0002

Previews

White Background



This preview shows how the Hex color 646D9B looks on a white background.

Color Contrast Check

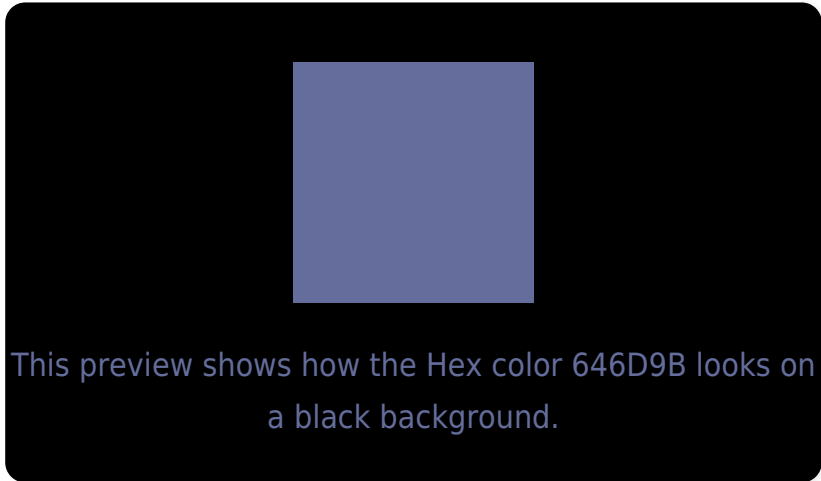
Large Text (above 18pt) WCAG AA ✓ Pass

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

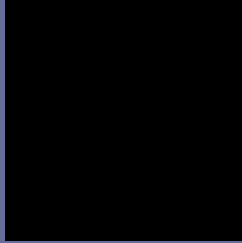
Any Text WCAG AA × Fail

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 646D9B Background



This preview shows how black text looks on a background with the Hex color 646D9B.



This preview shows how white text looks on a background with the Hex color 646D9B.

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


646D9B

Protanopia

616E9C

Deuteranopia

616E9B



Tritanopia
5D737C

Trichromacy



Original Color
646D9B

Protanomaly
626E9C

Deuteranomaly
626E9B

Tritanomaly
607187

Monochromacy



Original Color
646D9B

Achromatopsia
707070

Achromatomaly
6C6F80

CSS Examples

Text

The CSS property to change the color of the text to Hex 646D9B 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 #646D9B looks like.

```
.text, #text, p{  
    color:#646D9B  
}
```

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 #646D9B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #646D9B
}
```

Border

The CSS property to change the border of an element to Hex 646D9B 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
#646D9B }
```

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

```
.border{ border-color:#646D9B }
```

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

Here you see how a box with a 4 pixel #646D9B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #646D9B; -webkit-box-shadow:4px 4px  
4px 4px #646D9B; box-shadow:4px 4px 4px  
4px #646D9B }
```

Background

The CSS property to change the background color of an element to Hex 646D9B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#646D9B }
```

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

```
.background{ background-color:#646D9B }
```

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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