

# Converting Colors

Hex(646F7F)

Have a look what the booklet for  
Hex(646F7F) contains.

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# Color

**Hex(646F7F)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	646F7F
RGB	100, 111, 127
RGB Percent	39%, 44%, 50%
CMY	0.6078, 0.5647, 0.5020
CMYK	0.21, 0.13, 0.00, 0.50
HSL	216°, 12%, 45%
HSV	216°, 21%, 50%
XYZ	14.7707, 15.6105, 22.3133
YIQ	109.5350, -11.6920, 2.6440

# Conversions

## Conversions Part 2

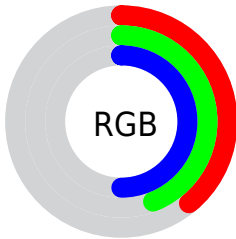
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 108, 127
Decimal	6582143
CIE <sub>Lab</sub>	46.46, -0.40, -10.23
CIE <sub>LCh</sub>	46, 10.233, 267.741
Yxy	15.6105, 0.2803, 0.2962
Android (android.graphics.Color)	4284772223 (0xFF646F7F)
<b>YUV</b>	109.5350, 8.6102, -8.3622
Hunter-Lab	39.5101, -2.4111, -5.8269

# Details

The Hex color **646F7F** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **7F7464**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **97A3B4**, and **353F4E** is the 20% darker color. If you saturate the color by 10%, you get **57677F**, and if you desaturate by 10%, it is **71777F**.

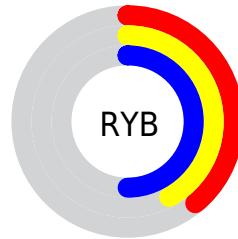
# Distribution



Red (39%)

Green (44%)

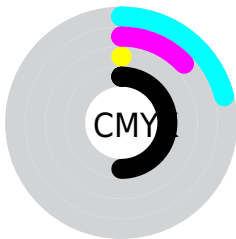
Blue (50%)



Red (39%)

Yellow (42%)

Blue (50%)

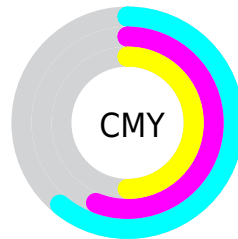


Cyan (21%)

Magenta (13%)

Yellow (0%)

Black (50%)



Cyan (61%)

Magenta (56%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 646F7F 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 646F7F by changing the saturation by 10% instead.





646F7F



646F7F

FFFFFF



4C5766



97A3B4



353F4E



B2BECF



1F2A37



CED9EB



091522



EAF6FF



00000A



000000



646F7F



646F7F



57677F



71777F



4B607F



7D7E7F

■ 3E587F

■ 8A867F

■ 31517F

■ 978D7F

■ 25497F

■ A3957F

■ 18427F

■ B09C7F

■ 0B3A7F

■ BDA47F

■ 00347F

■ CAAB7F

■ D6B37F

# Harmonies

## Analogous

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



5B717C



646F7F



6F6C7D

# Triad

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



646F7F



806966



637265

# Complementary

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



646F7F



7F7464

# 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.



6C705F



646F7F



7D6B60

# Square

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



646F7F



7F686F



766D5D



5B736D

# Rectangle

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



646F7F



766A7A



766D5D



667162



# Sweetspot

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



646F7F



9CA0A6



647F74



4E5154



D4D4D4



545454



# Same Dimension

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



646F7F



7B8CA6



66647F



393C40



003480



000000



# Inverse Universe

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



7F646F



A67B8C



7D7F64



40393C



800034



000000



# Previews

## White Background



This preview shows how the Hex color 646F7F 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

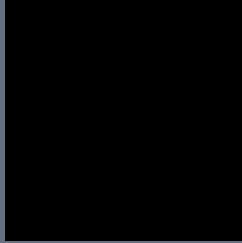
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

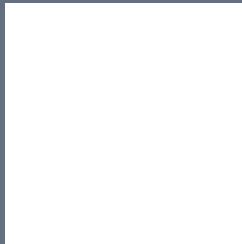
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 646F7F Background



This preview shows how black text looks on a background with the Hex color 646F7F.



This preview shows how white text looks on a background with the Hex color 646F7F.

# 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**  
646F7F

**Protanopia**  
6B6D7E

**Deuteranopia**  
706B80



**Tritanopia**  
637079

# Trichromacy



**Original Color**

646F7F

**Protanomaly**

686E7E

**Deuteranomaly**

6C6C80

**Tritanomaly**

63707B

# Monochromacy



**Original Color**

646F7F

**Achromatopsia**

6E6E6E

**Achromatomaly**

6A6E74

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 646F7F 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 #646F7F looks like.

```
.text, #text, p{  
    color:#646F7F  
}
```

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 #646F7F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #646F7F
}
```

## Border

The CSS property to change the border of an element to Hex 646F7F is called "border". The border property can be set on classes, ids or directly on the HTML element.

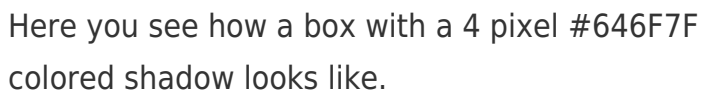
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#646F7F }
```

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

```
.border{ border-color:#646F7F }
```

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



Here you see how a box with a 4 pixel #646F7F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #646F7F; -webkit-box-shadow:4px 4px  
4px 4px #646F7F; box-shadow:4px 4px 4px  
4px #646F7F }
```

# Background

The CSS property to change the background color of an element to Hex 646F7F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#646F7F }
```

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

```
.background{ background-color:#646F7F }
```

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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