

# Converting Colors

Hex(646080)

Have a look what the booklet for  
Hex(646080) contains.

<b>Hex(646080)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(646080)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	646080
RGB	100, 96, 128
RGB Percent	39%, 38%, 50%
CMY	0.6078, 0.6235, 0.4980
CMYK	0.22, 0.25, 0.00, 0.50
HSL	248°, 14%, 44%
HSV	248°, 25%, 50%
XYZ	13.3347, 12.6336, 22.1578
YIQ	100.8440, -7.8880, 10.8000

# Conversions

## Conversions Part 2

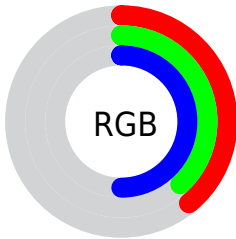
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 96, 128
Decimal	6578304
CIE <sub>Lab</sub>	42.21, 8.92, -17.28
CIE <sub>LCh</sub>	42, 19.450, 297.297
Yxy	12.6336, 0.2771, 0.2625
Android (android.graphics.Color)	4284768384 (0xFF646080)
YUV	100.8440, 13.3879, -0.7402
Hunter-Lab	35.5437, 4.7650, -12.0805

# Details

The Hex color **646080** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **7C8060**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **9792B5**, and **35324F** is the 20% darker color. If you saturate the color by 10%, you get **595380**, and if you desaturate by 10%, it is **6F6D80**.

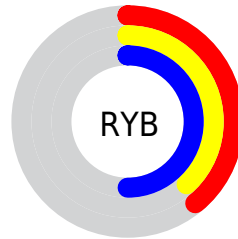
# Distribution



Red (39%)

Green (38%)

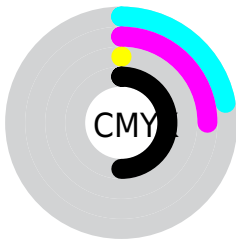
Blue (50%)



Red (39%)

Yellow (38%)

Blue (50%)

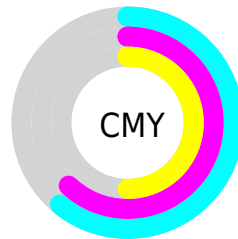


Cyan (22%)

Magenta (25%)

Yellow (0%)

Black (50%)



Cyan (61%)

Magenta (62%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 646080 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 646080 by changing the saturation by 10% instead.



■ 646080

■ 646080

FFFFFF

■ 4C4867

■ 9792B5

■ 35324F

■ B2ADD0

■ 1E1D38

■ CEC8ED

■ 0A0322

■ EAE4FF

■ 000009

■ 000000

■ 646080

■ 646080

■ 595380

■ 6F6D80

■ 4E4680

■ 7A7A80

■ 423A80

■ 868680

■ 372D80

■ 919380

■ 2C2080

■ 9CA080

■ 211380

■ A7AD80

■ 160680

■ B2BA80

■ 100080

■ BEC680

■ C9D380

# Harmonies

## Analogous

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



4D6683



646080



775B75

# Triad

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



646080



7D5D49



3C6C62

# Complementary

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



646080



7C8060

# 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.



4D6B52



646080



706244

# Square

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



646080



845956



606747



326C72

# Rectangle

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



646080



7F586B



606747



416C5C



# Sweetspot

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



646080



9A98A6



607C80



4D4C54



D4D4D4



545454



# Same Dimension

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



646080



7A74A6



746080



3A3940



100080



000000



# Inverse Universe

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



80607C



A674A0



6C8060



40393F



800070



000000



# Previews

## White Background



This preview shows how the Hex color 646080 looks on a white background.

## Color Contrast Check

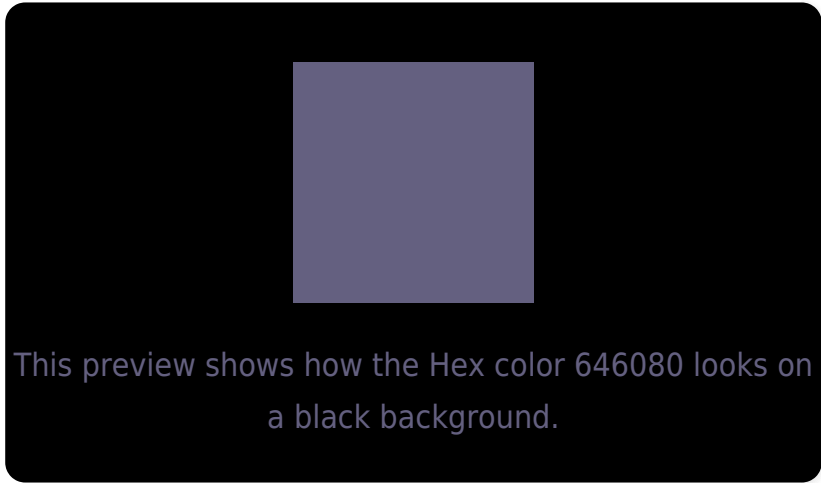
Large Text (above 18pt) WCAG AA ✓ Pass

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

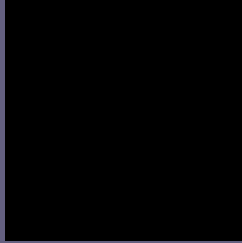
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 646080 Background



This preview shows how black text looks on a background with the Hex color 646080.



This preview shows how white text looks on a background with the Hex color 646080.

# 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**  
646080

**Protanopia**  
5B6282

**Deuteranopia**  
5E6280



**Tritanopia**  
60646C

# Trichromacy



**Original Color**  
646080

**Protanomaly**  
5E6181

**Deuteranomaly**  
606180

**Tritanomaly**  
616373

# Monochromacy



**Original Color**  
646080

**Achromatopsia**  
656565

**Achromatomaly**  
65636F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 646080 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 #646080 looks like.

```
.text, #text, p{  
    color:#646080  
}
```

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 #646080 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #646080
}
```

## Border

The CSS property to change the border of an element to Hex 646080 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
#646080 }
```

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

```
.border{ border-color:#646080 }
```

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

Here you see how a box with a 4 pixel #646080 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #646080; -webkit-box-shadow:4px 4px  
4px 4px #646080; box-shadow:4px 4px 4px  
4px #646080 }
```

# Background

The CSS property to change the background color of an element to Hex 646080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#646080 }
```

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

```
.background{ background-color:#646080 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor