

# Converting Colors

Hex(646480)

Have a look what the booklet for  
Hex(646480) contains.

<b>Hex(646480)</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(646480)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	646480
RGB	100, 100, 128
RGB Percent	39%, 39%, 50%
CMY	0.6078, 0.6078, 0.4980
CMYK	0.22, 0.22, 0.00, 0.50
HSL	240°, 12%, 45%
HSV	240°, 22%, 50%
XYZ	13.7090, 13.3822, 22.2826
YIQ	103.1920, -8.9880, 8.7080

# Conversions

## Conversions Part 2

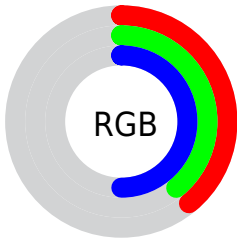
Format	Color
R <sub>Y</sub> B	100, 100, 128
Decimal	6579328
CIE Lab	43.33, 6.47, -15.56
CIE LCh	43, 16.851, 292.571
Yxy	13.3822, 0.2777, 0.2710
Android (android.graphics.Color)	4284769408 (0xFF646480)
YUV	103.1920, 12.2303, -2.7994
Hunter-Lab	36.5817, 2.8750, -10.5074

# Details

The Hex color **646480** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **808064**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **9797B5**, and **35354F** is the 20% darker color. If you saturate the color by 10%, you get **575780**, and if you desaturate by 10%, it is **717180**.

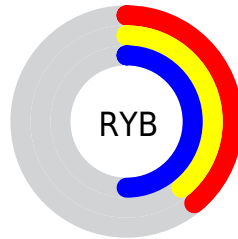
# Distribution



Red (39%)

Green (39%)

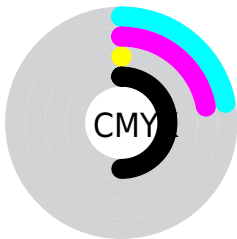
Blue (50%)



Red (39%)

Yellow (39%)

Blue (50%)

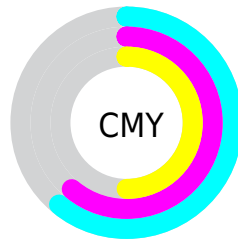


Cyan (22%)

Magenta (22%)

Yellow (0%)

Black (50%)



Cyan (61%)

Magenta (61%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 646480 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 646480 by changing the saturation by 10% instead.



■ 646480

■ 646480

FFFFFF

■ 4C4C67

■ 9797B5

■ 35354F

■ B2B1D0

■ 1F2038

■ CECEDE

■ 090922

■ EAE9FF

■ 00000A

■ 000000

■ 646480

■ 646480

■ 575780

■ 717180

■ 4A4A80

■ 7E7E80

■ 3E3E80

■ 8A8A80

■ 313180

■ 979780

■ 242480

■ A4A480

■ 171780

■ B1B180

■ 0A0A80

■ BEBE80

■ 000080

■ CACA80

■ D7D780

# Harmonies

## Analogous

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



516982



646480



755F77

# Triad

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



646480



7E6051



476E62

# Complementary

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



646480



808064

# 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.



566C55



646480



74644B

# Square

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



646480



835D5C



66694C



3E6E71

# Rectangle

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



646480



7D5D6F



66694C



4B6E5E



# Sweetspot

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



646480



9A9AA6



648080



4D4D54



D4D4D4



545454



# Same Dimension

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



646480



7B7BA6



726480



393940



000080



000000



# Inverse Universe

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



806480



A67BA6



728064



403940



800080



000000



# Previews

## White Background



This preview shows how the Hex color 646480 looks on a white background.

## Color Contrast Check

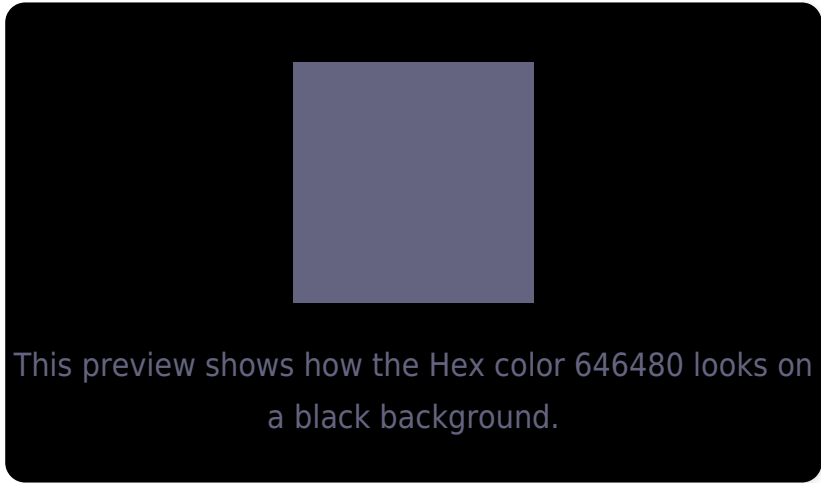
Large Text (above 18pt) WCAG AA ✓ Pass

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

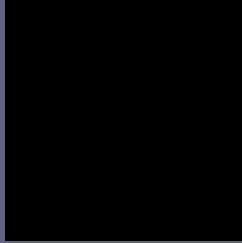
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 646480 Background



This preview shows how black text looks on a background with the Hex color 646480.



This preview shows how white text looks on a background with the Hex color 646480.

# 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**  
646480

**Protanopia**  
606581

**Deuteranopia**  
636480



**Tritanopia**  
61676F

# Trichromacy



**Original Color**

646480

**Protanomaly**

616581

**Deuteranomaly**

636480

**Tritanomaly**

626675

# Monochromacy



**Original Color**

646480

**Achromatopsia**

676767

**Achromatomaly**

666670

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 646480 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 #646480 looks like.

```
.text, #text, p{  
    color:#646480  
}
```

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 #646480 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #646480
}
```

## Border

The CSS property to change the border of an element to Hex 646480 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
#646480 }
```

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

```
.border{ border-color:#646480 }
```

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

Here you see how a box with a 4 pixel #646480 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #646480; -webkit-box-shadow:4px 4px  
4px 4px #646480; box-shadow:4px 4px 4px  
4px #646480 }
```

# Background

The CSS property to change the background color of an element to Hex 646480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#646480 }
```

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

```
.background{ background-color:#646480 }
```

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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