

# Converting Colors

Hex(475C80)

Have a look what the booklet for  
Hex(475C80) contains.

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# Color

Hex(475C80)

# Conversions

## Conversions Part 1

Format	Color
Hex	475C80
RGB	71, 92, 128
RGB Percent	28%, 36%, 50%
CMY	0.7216, 0.6392, 0.4980
CMYK	0.45, 0.28, 0.00, 0.50
HSL	218°, 29%, 39%
HSV	218°, 45%, 50%
XYZ	10.3220, 10.5524, 21.9149
YIQ	89.8250, -24.0720, 6.7440

# Conversions

## Conversions Part 2

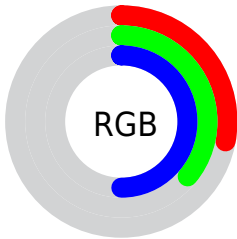
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	<b>71, 86, 128</b>
Decimal	4676736
CIE <sub>Lab</sub>	38.82, 2.27, -22.70
CIE <sub>LCh</sub>	39, 22.811, 275.718
Yxy	10.5524, 0.2412, 0.2466
Android (android.graphics.Color)	4282866816 (0xFF475C80)
YUV	89.8250, 18.8203, -16.5095
Hunter-Lab	32.4845, -0.1293, -17.2595

# Details

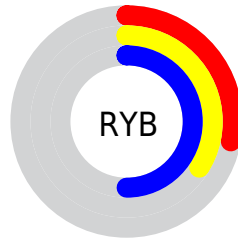
The Hex color **475C80** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **806B47**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **7A8EB5**, and **142E4F** is the 20% darker color. If you saturate the color by 10%, you get **3A5480**, and if you desaturate by 10%, it is **546480**.

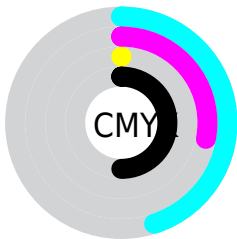
# Distribution



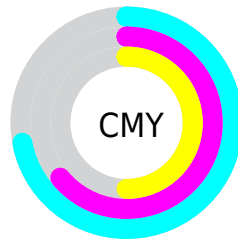
- Red (28%)
- Green (36%)
- Blue (50%)



- Red (28%)
- Yellow (34%)
- Blue (50%)



- Cyan (45%)
- Magenta (28%)
- Yellow (0%)
- Black (50%)



- Cyan (72%)
- Magenta (64%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 475C80 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 475C80 by changing the saturation by 10% instead.



■ 475C80

■ 475C80

FFFFFF

■ 2E4567

■ 7A8EB5

■ 142E4F

■ 95A8D1

■ 001A38

■ B0C4ED

■ 000222

■ CCE0FF

■ 000008

■ E8FCFF

■ 000000

■ 475C80

■ 475C80

■ 3A5480

■ 546480

■ 2D4C80

■ 616C80

■ 214480

■ 6D7480

■ 143C80

■ 7A7C80

■ 073480

■ 878480

■ 002F80

■ 948D80

■ A19580

■ AD9D80

■ BAA580

# Harmonies

## Analogous

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



28617D



475C80



625579

# Triad

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



475C80



7E4F47



3A644C

# Complementary

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



475C80



806B47

# 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.



50613D



475C80



74553A

# Square

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



475C80



7F4D58



645B36



22655E

# Rectangle

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



475C80



705170



645B36



426346



# Sweetspot

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



475C80



9098A6



47806A



474C54



D4D4D4



545454



# Same Dimension

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



475C80



4E6EA6



4E4780



393C40



002F80



000000



# Inverse Universe

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



80475C



A64E6E



798047



40393C



80002F



000000



# Previews

## White Background



This preview shows how the Hex color 475C80 looks on a white background.

## Color Contrast Check

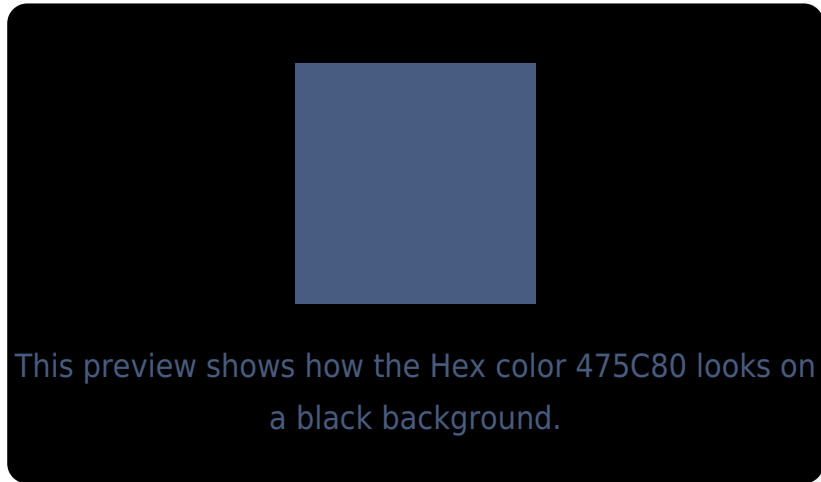
Large Text (above 18pt) WCAG AA ✓ Pass

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

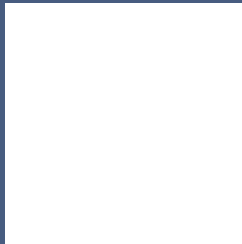
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 475C80 Background



This preview shows how black text looks on a background with the Hex color 475C80.

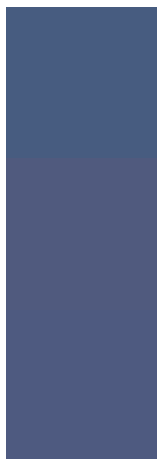


This preview shows how white text looks on a background with the Hex color 475C80.

# 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**  
475C80

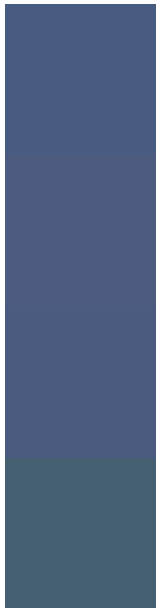
**Protanopia**  
505A7E

**Deuteranopia**  
4E5A80



**Tritanopia**  
406068

# Trichromacy



**Original Color**  
475C80

**Protanomaly**  
4D5B7F

**Deuteranomaly**  
4B5B80

**Tritanomaly**  
435F71

# Monochromacy



**Original Color**  
475C80

**Achromatopsia**  
5A5A5A

**Achromatomaly**  
535B68

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 475C80 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 #475C80 looks like.

```
.text, #text, p{  
    color:#475C80  
}
```

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 #475C80 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #475C80
}
```

## Border

The CSS property to change the border of an element to Hex 475C80 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
#475C80 }
```

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

```
.border{ border-color:#475C80 }
```

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

Here you see how a box with a 4 pixel #475C80 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #475C80; -webkit-box-shadow:4px 4px  
4px 4px #475C80; box-shadow:4px 4px 4px  
4px #475C80 }
```

# Background

The CSS property to change the background color of an element to Hex 475C80 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#475C80 }
```

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

```
.background{ background-color:#475C80 }
```

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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