

# Converting Colors

Hex(476E8A)

Have a look what the booklet for  
Hex(476E8A) contains.

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# Color

**Hex(476E8A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	476E8A
RGB	71, 110, 138
RGB Percent	28%, 43%, 54%
CMY	0.7216, 0.5686, 0.4588
CMYK	0.49, 0.20, 0.00, 0.46
HSL	205°, 32%, 41%
HSV	205°, 49%, 54%
XYZ	12.7619, 14.3264, 26.1374
YIQ	101.5310, -32.2320, 0.4400

# Conversions

## Conversions Part 2

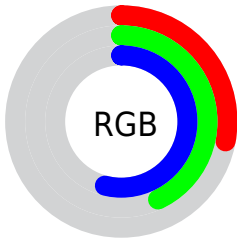
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	71, 96, 138
Decimal	4681354
CIE Lab	44.70, -5.59, -19.65
CIE LCh	45, 20.428, 254.107
Yxy	14.3264, 0.2398, 0.2692
Android (android.graphics.Color)	4282871434 (0xFF476E8A)
YUV	101.5310, 17.9792, -26.7757
Hunter-Lab	37.8503, -6.0535, -14.4474

# Details

The Hex color **476E8A** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **8A6347**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **7BA1C0**, and **103F58** is the 20% darker color. If you saturate the color by 10%, you get **39688A**, and if you desaturate by 10%, it is **55748A**.

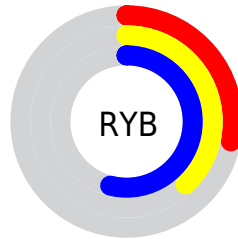
# Distribution



Red (28%)

Green (43%)

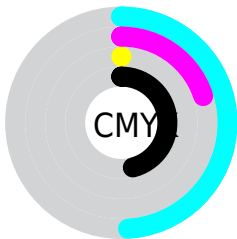
Blue (54%)



Red (28%)

Yellow (38%)

Blue (54%)

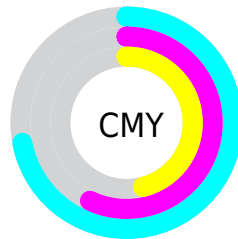


Cyan (49%)

Magenta (20%)

Yellow (0%)

Black (46%)



Cyan (72%)

Magenta (57%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 476E8A 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 476E8A by changing the saturation by 10% instead.



■ 476E8A

■ 476E8A

FFFFFF

■ 2D5670

■ 7BA1C0

■ 103F58

■ 96BCDB

■ 002941

■ B2D8F8

■ 00152A

■ CEF5FF

■ 000116

■ EAFFFF

■ 000000

■ 476E8A

■ 476E8A

■ 39688A

■ 55748A

■ 2B628A

■ 637A8A

■ 1E5D8A

■ 707F8A

■ 10578A

■ 7E858A

■ 02518A

■ 8C8B8A

■ 00508A

■ 9A918A

■ A8968A

■ B59C8A

■ C3A28A

# Harmonies

## Analogous

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



367281



476E8A



60698B

# Triad

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



476E8A



8C5D62



5B7051

# Complementary

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



476E8A



8A6347

# 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.



6E6B49



476E8A



896053

# Square

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



476E8A



865E73



7E6649



477260

# Rectangle

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



476E8A



6F6586



7E6649



616E4D



# Sweetspot

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



476E8A



98A7B3



478A63



495359



D9D9D9



595959



# Same Dimension

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



476E8A



4B87B3



474D8A



3E4245



004D85



000305



# Inverse Universe

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



8A476E



B34B87



8A8447



453E42



85004D



050003



# Previews

## White Background



This preview shows how the Hex color 476E8A looks on a white background.

## Color Contrast Check

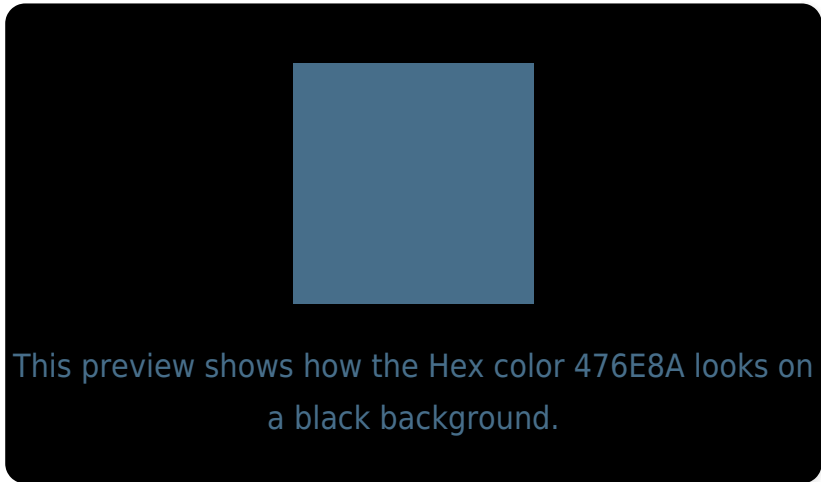
Large Text (above 18pt) WCAG AA ✓ Pass

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

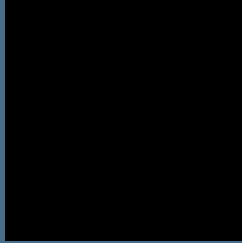
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

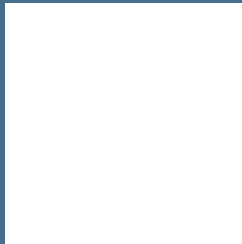
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 476E8A Background



This preview shows how black text looks on a background with the Hex color 476E8A.

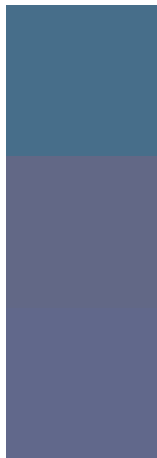


This preview shows how white text looks on a background with the Hex color 476E8A.

# 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**  
476E8A

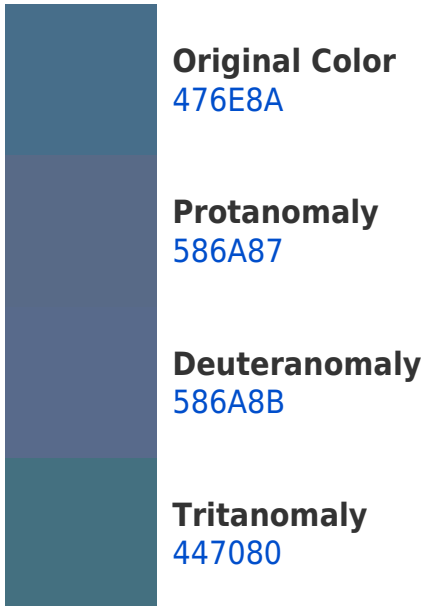
**Protanopia**  
626886

**Deuteranopia**  
61688B



**Tritanopia**  
42717A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 476E8A 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 #476E8A looks like.

```
.text, #text, p{  
    color:#476E8A  
}
```

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 #476E8A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #476E8A
}
```

## Border

The CSS property to change the border of an element to Hex 476E8A is called "border". The border property can be set on classes, ids or directly on the HTML element.

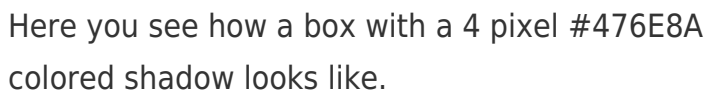
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#476E8A }
```

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

```
.border{ border-color:#476E8A }
```

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



Here you see how a box with a 4 pixel #476E8A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #476E8A; -webkit-box-shadow:4px 4px  
4px 4px #476E8A; box-shadow:4px 4px 4px  
4px #476E8A }
```

# Background

The CSS property to change the background color of an element to Hex 476E8A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#476E8A }
```

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

```
.background{ background-color:#476E8A }
```

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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