

# Converting Colors

Hex(475EAE)

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

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# Color

**Hex(475EAE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	475EAE
RGB	71, 94, 174
RGB Percent	28%, 37%, 68%
CMY	0.7216, 0.6314, 0.3176
CMYK	0.59, 0.46, 0.00, 0.32
HSL	227°, 42%, 48%
HSV	227°, 59%, 68%
XYZ	14.2412, 12.4010, 41.6874
YIQ	96.2430, -39.3880, 20.0040

# Conversions

## Conversions Part 2

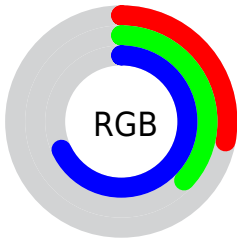
<b>Format</b>	<b>Color</b>
<b>RYB</b>	71, 90, 174
Decimal	4677294
CIELab	41.85, 16.23, -45.49
CIELCh	42, 48.299, 289.633
Yxy	12.4010, 0.2084, 0.1815
Android (android.graphics.Color)	4282867374 (0xFF475EAE)
YUV	96.2430, 38.3342, -22.1381
Hunter-Lab	35.2150, 10.5604, -45.5367

# Details

The Hex color **475EAE** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **AE9747**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **8090E6**, and **003179** is the 20% darker color. If you saturate the color by 10%, you get **3650AE**, and if you desaturate by 10%, it is **586CAE**.

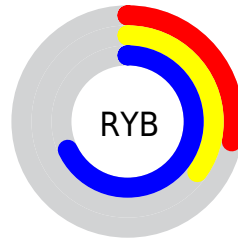
# Distribution



Red (28%)

Green (37%)

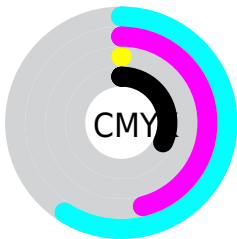
Blue (68%)



Red (28%)

Yellow (35%)

Blue (68%)

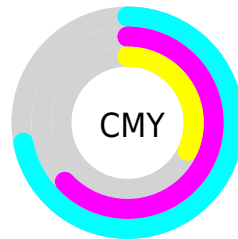


Cyan (59%)

Magenta (46%)

Yellow (0%)

Black (32%)



Cyan (72%)

Magenta (63%)

Yellow (32%)

# Brightness & Saturation Gradients

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



■ 475EAE

■ 475EAE

FFFFFF

■ 284793

■ 8090E6

■ 003179

■ 9CAAFF

■ 001C60

■ B8C6FF

■ 000247

■ D5E2FF

■ 000430

■ F3FEFF

■ 00011A

■ 000000

■ 475EAE

■ 475EAE

■ 3650AE

■ 586CAE

■ 2443AE

■ 6A79AE

■ 1335AE

■ 7B87AE

■ 0128AE

■ 8D94AE

■ 0027AE

■ 9EA2AE

■ AF8FAE

■ C1BDAE

■ D2CAAE

■ E4D8AE

# Harmonies

## Analogous

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



006BB1



475EAE



854C97

# Triad

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



475EAE



9D4B27



007553

# Complementary

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



475EAE



AE9747

# 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.



2B712C



475EAE



825C08

# Square

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



475EAE



AA3D4A



5D690A



00757C

# Rectangle

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



475EAE



9C417F



5D690A



007445



# Sweetspot

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



475EAE



BAC3E3



47AE96



5A5F73



F2F2F2



737373



# Same Dimension

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



475EAE



4266E3



6247AE



4E5057



002296



000517



# Inverse Universe

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



AE475E



E34266



93AE47



574E50



960022

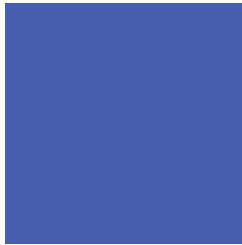


170005



# Previews

## White Background



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

## Color Contrast Check

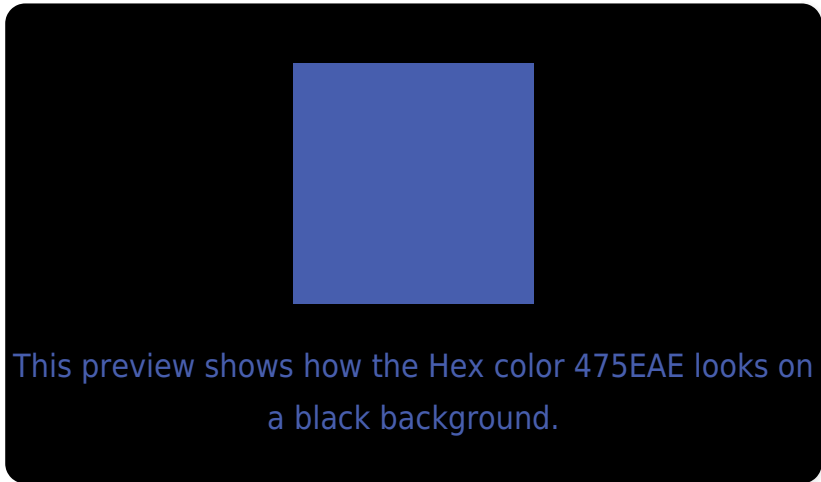
Large Text (above 18pt) WCAG AA ✓ Pass

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

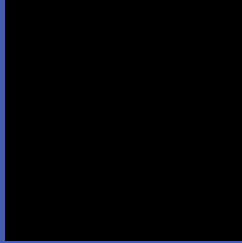
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 475EAE Background



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



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

# 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**  
475EAE

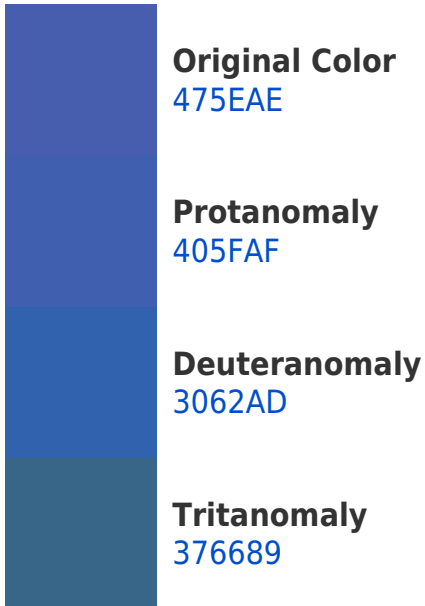
**Protanopia**  
3C60B0

**Deuteranopia**  
2364AD



**Tritanopia**  
2E6B74

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #475EAE colored shadow looks like.

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

## Border

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

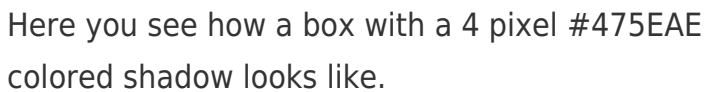
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#475EAE }
```

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

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

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



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

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

# Background

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

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

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

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

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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