

# Converting Colors

Hex(4742AE)

Have a look what the booklet for  
Hex(4742AE) contains.

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# Color

Hex(4742AE)

# Conversions

## Conversions Part 1

Format	Color
Hex	4742AE
RGB	71, 66, 174
RGB Percent	28%, 26%, 68%
CMY	0.7216, 0.7412, 0.3176
CMYK	0.59, 0.62, 0.00, 0.32
HSL	243°, 45%, 47%
HSV	243°, 62%, 68%
XYZ	12.1867, 8.2920, 41.0026
YIQ	79.8070, -31.6880, 34.6480

# Conversions

## Conversions Part 2

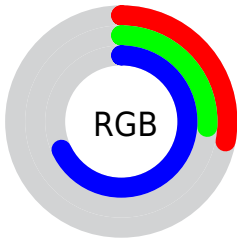
<b>Format</b>	<b>Color</b>
<b>RYB</b>	71, 66, 174
Decimal	4670126
CIELab	34.58, 34.09, -57.21
CIElCh	35, 66.601, 300.791
Yxy	8.2920, 0.1982, 0.1349
Android (android.graphics.Color)	4282860206 (0xFF4742AE)
YUV	79.8070, 46.4371, -7.7237
Hunter-Lab	28.7959, 25.1504, -64.2663

# Details

The Hex color **4742AE** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **A9AE42**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **8172E6**, and **001678** is the 20% darker color. If you saturate the color by 10%, you get **3631AE**, and if you desaturate by 10%, it is **5853AE**.

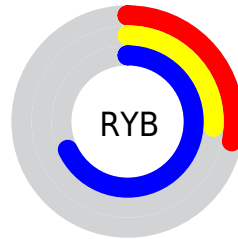
# Distribution



Red (28%)

Green (26%)

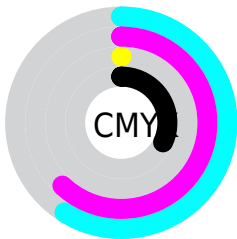
Blue (68%)



Red (28%)

Yellow (26%)

Blue (68%)

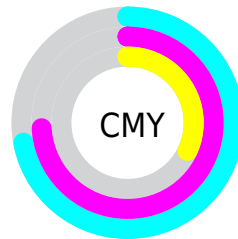


Cyan (59%)

Magenta (62%)

Yellow (0%)

Black (32%)



Cyan (72%)

Magenta (74%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4742AE 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 4742AE by changing the saturation by 10% instead.



■ 4742AE

■ 4742AE

FFFFFF

■ 262B93

■ 8172E6

■ 001678

■ 9E8CFF

■ 00015F

■ BBA7FF

■ 000046

■ D8C2FF

■ 00042F

■ F6DEFF

■ 000119

■ FFFBFF

■ 000000

■ 4742AE

■ 4742AE

■ 3631AE

■ 5853AE

■ 261FAE

■ 6865AE

■ 150EAE

■ 7976AE

■ 0800AE

■ 8988AE

■ 9A99AE

■ ABAAAE

■ BBBCAE

■ CCCDAE

■ DCDFAE

# Harmonies

## Analogous

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



0059BD



4742AE



8F1A86

# Triad

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



4742AE



8B3800



006651

# Complementary

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



4742AE



A9AE42

# 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.



006417



4742AE



635000

# Square

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



4742AE



A5091F



2C5D00



006787

# Rectangle

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



4742AE



A40064



2C5D00



00663F



# Sweetspot

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



4742AE



BAB8E3



42AAAE



5A5873



F2F2F2



737373



# Same Dimension

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



4742AE



433BE3



7C42AE



4E4E57



070096



010017



# Inverse Universe

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



AE42A9



E33BDB



74AE42



574E56



96008F

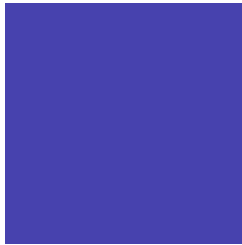


170016



# Previews

## White Background



This preview shows how the Hex color 4742AE looks on a white background.

## Color Contrast Check

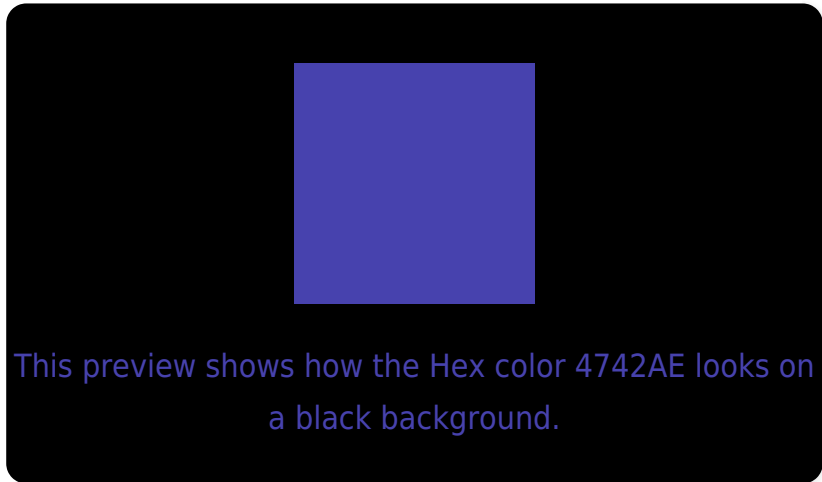
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

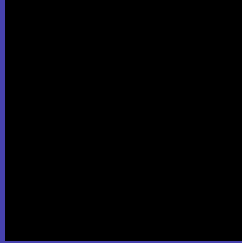
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4742AE Background



This preview shows how black text looks on a background with the Hex color 4742AE.

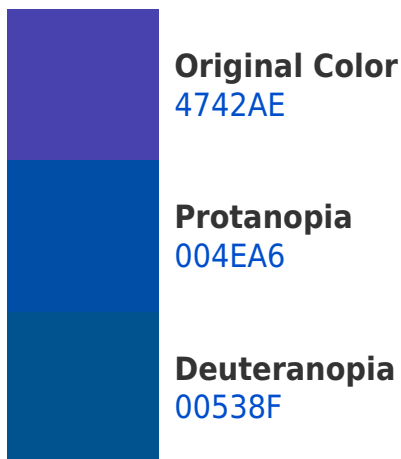


This preview shows how white text looks on a background with the Hex color 4742AE.

# 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](#).

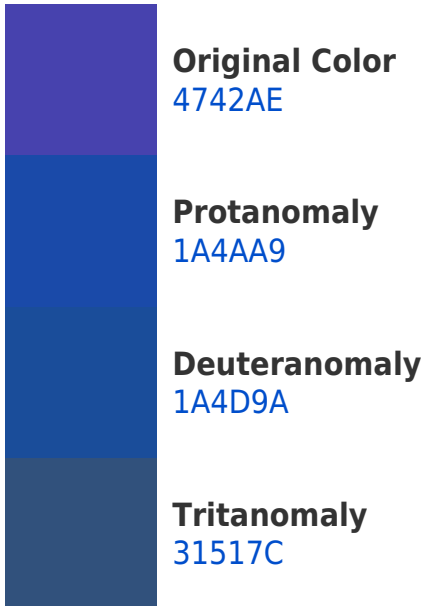
## Dichromacy



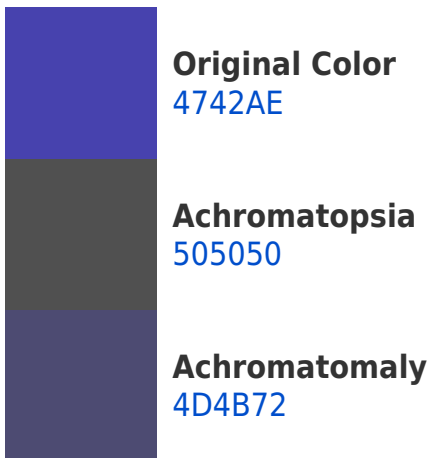


**Tritanopia**  
245960

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4742AE 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 #4742AE looks like.

```
.text, #text, p{  
    color:#4742AE  
}
```

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 #4742AE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4742AE
}
```

## Border

The CSS property to change the border of an element to Hex 4742AE 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".

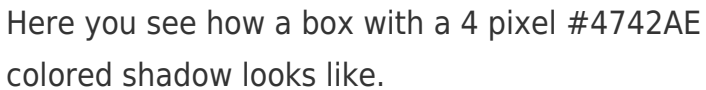
```
.border, #border, table{ border:4px solid
#4742AE }
```

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

```
.border{ border-color:#4742AE }
```

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

Here you see how a box with a 4 pixel #4742AE colored shadow looks like.

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4-pixel offset to the right and bottom of the box. The text inside the box is black and reads: "Here you see how a box with a 4 pixel #4742AE colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4742AE; -webkit-box-shadow:4px 4px  
4px 4px #4742AE; box-shadow:4px 4px 4px  
4px #4742AE }
```

# Background

The CSS property to change the background color of an element to Hex 4742AE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4742AE }
```

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

```
.background{ background-color:#4742AE }
```

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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