

# Converting Colors

Hex(415E9B)

Have a look what the booklet for  
Hex(415E9B) contains.

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# Color

Hex(415E9B)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	415E9B
RGB	65, 94, 155
RGB Percent	25%, 37%, 61%
CMY	0.7451, 0.6314, 0.3922
CMYK	0.58, 0.39, 0.00, 0.39
HSL	221°, 41%, 43%
HSV	221°, 58%, 61%
XYZ	12.0991, 11.4958, 32.5916
YIQ	92.2830, -36.8650, 12.8230

# Conversions

## Conversions Part 2

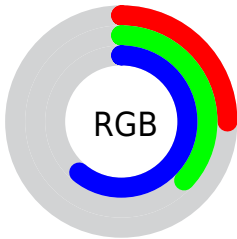
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	65, 87, 155
Decimal	4284059
CIE <sub>Lab</sub>	40.40, 8.40, -36.54
CIE <sub>LCh</sub>	40, 37.493, 282.952
Yxy	11.4958, 0.2153, 0.2046
Android (android.graphics.Color)	4282474139 (0xFF415E9B)
YUV	92.2830, 30.9195, -23.9272
Hunter-Lab	33.9054, 4.3628, -33.2587

# Details

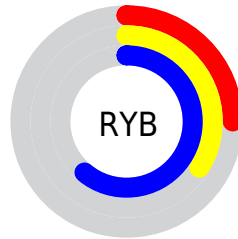
The Hex color **415E9B** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **9B7E41**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **7890D2**, and **003167** is the 20% darker color. If you saturate the color by 10%, you get **31539B**, and if you desaturate by 10%, it is **50699B**.

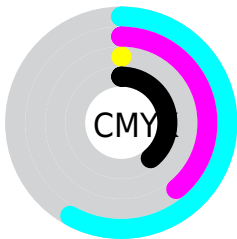
# Distribution



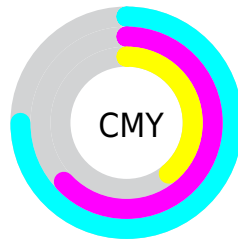
- Red (25%)
- Green (37%)
- Blue (61%)



- Red (25%)
- Yellow (34%)
- Blue (61%)



- Cyan (58%)
- Magenta (39%)
- Yellow (0%)
- Black (39%)



- Cyan (75%)
- Magenta (63%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 415E9B 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 415E9B by changing the saturation by 10% instead.



■ 415E9B

■ 415E9B

FFFFFF

■ 244781

■ 7890D2

■ 003167

■ 93AAEE

■ 001C4F

■ AFC6FF

■ 000038

■ CCE2FF

■ 000221

■ E9FEFF

■ 000007

■ 000000

■ 415E9B

■ 415E9B

■ 31539B

■ 50699B

■ 22499B

■ 60739B

■ 133E9B

■ 6F7E9B

■ 03349B

■ 7F889B

■ 00329B

■ 8E939B

■ 9E9D9B

■ ADA89B

■ BDB29B

■ CCBD9B

# Harmonies

## Analogous

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



00679A



415E9B



72528C

# Triad

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



415E9B



924C37



006D4C

# Complementary

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



415E9B



9B7E41

# 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.



426930



415E9B



7F5723

# Square

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



415E9B



984453



646220



006E6C

# Rectangle

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



415E9B



874A7C



646220



216C42



# Sweetspot

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



415E9B



A7B2C9



419B7D



525866



E6E6E6



666666



# Same Dimension

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



415E9B



3C6AC9



50419B



45474D



002D8C



00040D



# Inverse Universe

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



9B415E



C93C6A



8C9B41



4D4547



8C002D



0D0004



# Previews

## White Background



This preview shows how the Hex color 415E9B looks on a white background.

## Color Contrast Check

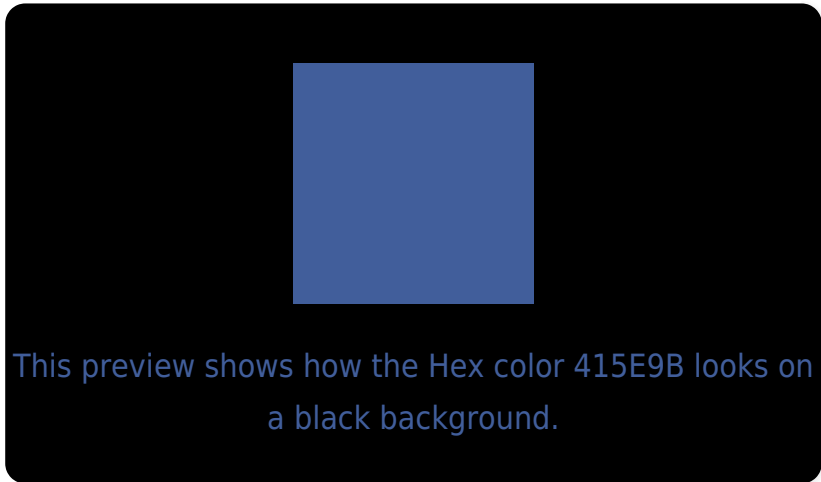
Large Text (above 18pt) WCAG AA ✓ Pass

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

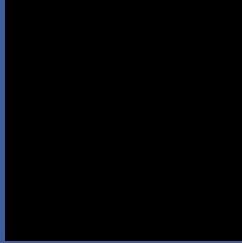
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 415E9B Background



This preview shows how black text looks on a background with the Hex color 415E9B.



This preview shows how white text looks on a background with the Hex color 415E9B.

# 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**

415E9B

**Protanopia**

475D9A

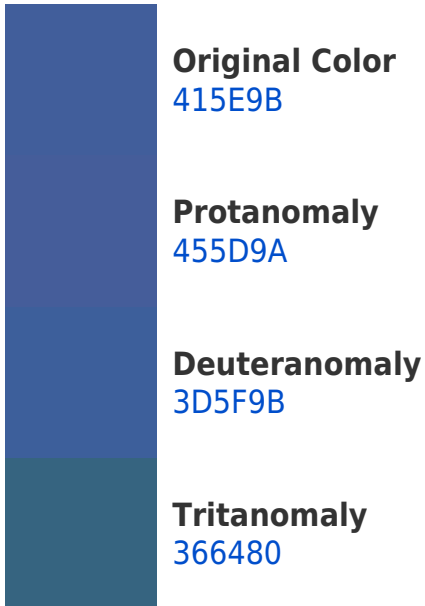
**Deuteranopia**

3A5F9B

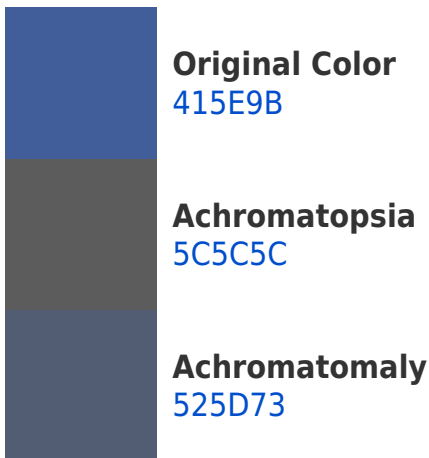


**Tritanopia**  
2F6770

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 415E9B 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 #415E9B looks like.

```
.text, #text, p{  
    color:#415E9B  
}
```

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 #415E9B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #415E9B
}
```

## Border

The CSS property to change the border of an element to Hex 415E9B is called "border". The border property can be set on classes, ids or directly on the HTML element.

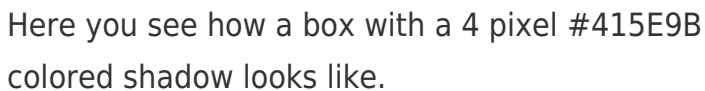
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#415E9B }
```

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

```
.border{ border-color:#415E9B }
```

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



Here you see how a box with a 4 pixel #415E9B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #415E9B; -webkit-box-shadow:4px 4px  
4px 4px #415E9B; box-shadow:4px 4px 4px  
4px #415E9B }
```

# Background

The CSS property to change the background color of an element to Hex 415E9B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#415E9B }
```

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

```
.background{ background-color:#415E9B }
```

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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