

# Converting Colors

Hex(415BDA)

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

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# Color

**Hex(415BDA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	415BDA
RGB	65, 91, 218
RGB Percent	25%, 36%, 85%
CMY	0.7451, 0.6431, 0.1451
CMYK	0.70, 0.58, 0.00, 0.15
HSL	230°, 67%, 55%
HSV	230°, 70%, 85%
XYZ	18.5759, 13.6679, 67.9888
YIQ	97.7040, -56.2630, 33.9850

# Conversions

## Conversions Part 2

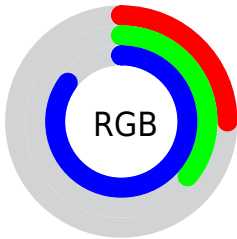
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	65, 87, 218
Decimal	4283354
CIE <sub>Lab</sub>	43.75, 32.61, -67.92
CIE <sub>LCh</sub>	44, 75.344, 295.644
Y <sub>xy</sub>	13.6679, 0.1853, 0.1364
Android (android.graphics.Color)	4282473434 (0xFF415BDA)
YUV	97.7040, 59.3059, -28.6814
Hunter-Lab	36.9702, 24.9909, -83.1562

# Details

The Hex color **415BDA** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **DAC041**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **838DFF**, and **002EA2** is the 20% darker color. If you saturate the color by 10%, you get **2B49DA**, and if you desaturate by 10%, it is **576DDA**.

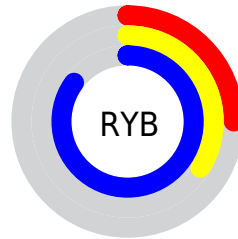
# Distribution



Red (25%)

Green (36%)

Blue (85%)



Red (25%)

Yellow (34%)

Blue (85%)

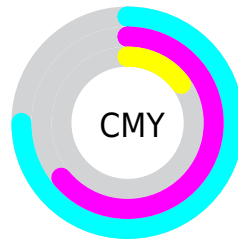


Cyan (70%)

Magenta (58%)

Yellow (0%)

Black (15%)



Cyan (75%)

Magenta (64%)

Yellow (15%)

# Brightness & Saturation Gradients

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



 415BDA

FFFFFF

 838DFF

 A1A7FF

 C0C2FF

 DEDEFF

 FDFBFF

 415BDA

 0D44BE

 002EA2

 001A87

 00066D

 000754

 00063B

 000225

 00010D

 000000

■ 415BDA

■ 415BDA

■ 2B49DA

■ 576DDA

■ 1537DA

■ 6D7FDA

■ 0025DA

■ 8291DA

■ 98A3DA

■ AEB5DA

■ C4C8DA

■ DADADA

■ EFECDA

■ FFFEDA

# Harmonies

## Analogous

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



0073E6



415BDA



A733AF

# Triad

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



415BDA



B34400



00805C

# Complementary

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



415BDA



DAC041

# 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.



007C14



415BDA



866200

# Square

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



415BDA



CE0E36



4A7300



00819C

# Rectangle

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



415BDA



C50288



4A7300



007F46



# Sweetspot

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



415BDA



C9D3FF



41DABE



606580



000000



808080



# Same Dimension

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



415BDA



294DFF



7141DA



63656E



001DAD



00082E



# Inverse Universe

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



DA415B



FF294D



AADA41



6E6365



AD001D

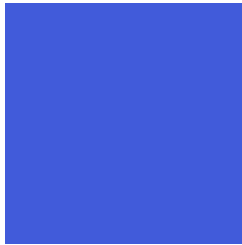


2E0008



# Previews

## White Background



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

## Color Contrast Check

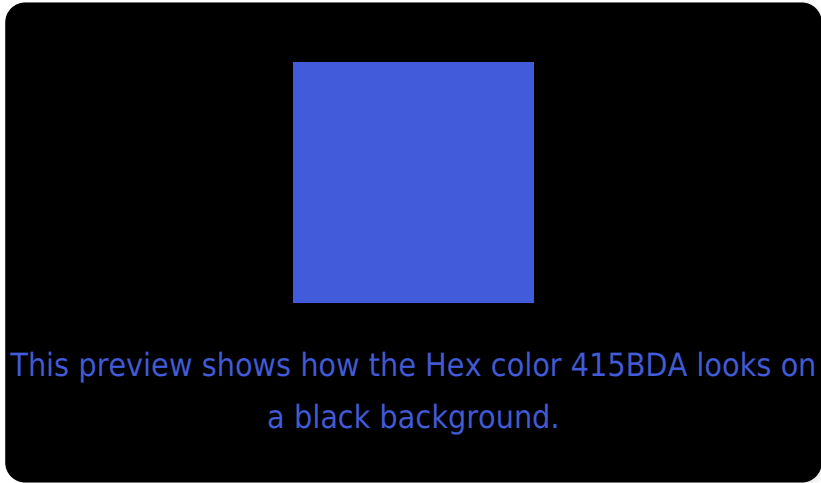
Large Text (above 18pt) WCAG AA ✓ Pass

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

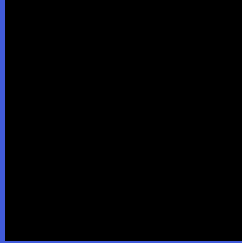
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 415BDA Background



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

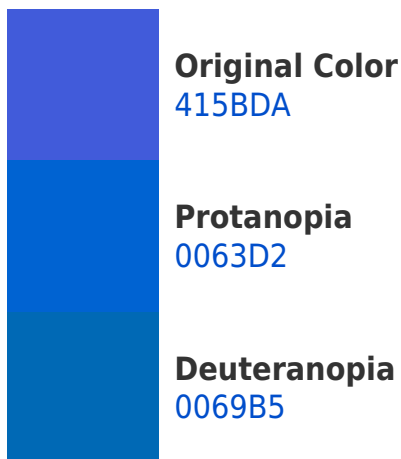


This preview shows how white text looks on a background with the Hex color 415BDA.

# 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](#).

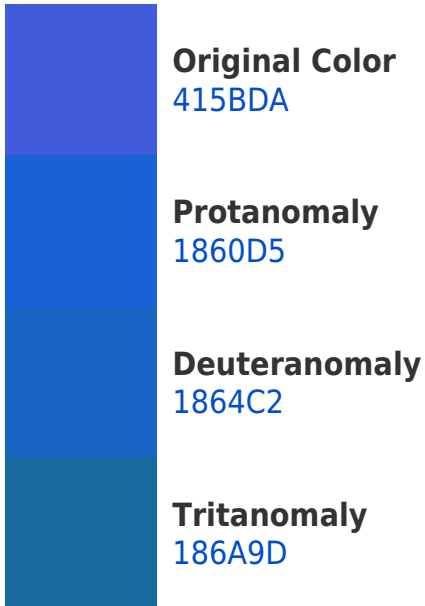
## Dichromacy



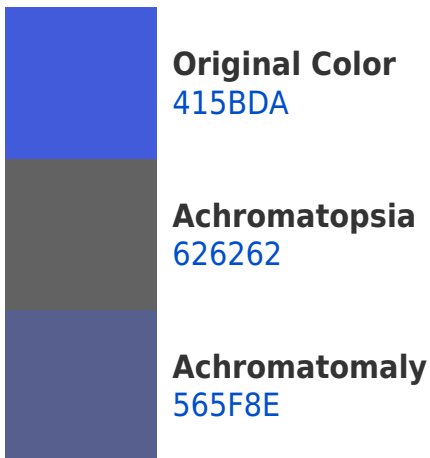


**Tritanopia**  
00727A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #415BDA colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Hex 415BDA 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
#415BDA }
```

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

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

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

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

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

# Background

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

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

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

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

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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