

# Converting Colors

Hex(436AEF)

Have a look what the booklet for  
Hex(436AEF) contains.

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# Color

Hex(436AEF)

# Conversions

## Conversions Part 1

Format	Color
Hex	436AEF
RGB	67, 106, 239
RGB Percent	26%, 42%, 94%
CMY	0.7373, 0.5843, 0.0627
CMYK	0.72, 0.56, 0.00, 0.06
HSL	226°, 84%, 60%
HSV	226°, 72%, 94%
XYZ	23.0488, 17.7334, 83.8694
YIQ	109.5010, -65.9370, 33.0950

# Conversions

## Conversions Part 2

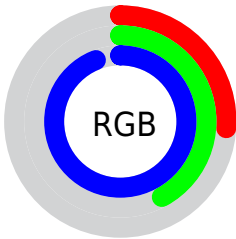
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	67, 99, 239
Decimal	4418287
CIE Lab	49.17, 30.89, -70.97
CIE LCh	49, 77.401, 293.520
Yxy	17.7334, 0.1849, 0.1423
Android (android.graphics.Color)	4282608367 (0xFF436AEF)
YUV	109.5010, 63.8430, -37.2734
Hunter-Lab	42.1110, 24.0048, -88.6059

# Details

The Hex color **436AEF** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle muted azure. A complement of this color would be **EFC843**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **879DFF**, and **003CB6** is the 20% darker color. If you saturate the color by 10%, you get **2B58EF**, and if you desaturate by 10%, it is **5B7CEF**.

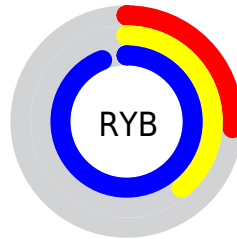
# Distribution



Red (26%)

Green (42%)

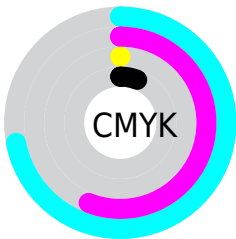
Blue (94%)



Red (26%)

Yellow (39%)

Blue (94%)

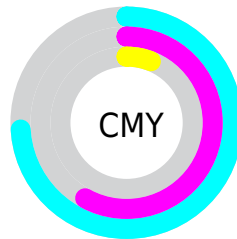


Cyan (72%)

Magenta (56%)

Yellow (0%)

Black (6%)



Cyan (74%)

Magenta (58%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 436AEF 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 436AEF by changing the saturation by 10% instead.



■ 436AEF

■ 436AEF

FFFFFF

■ 0652D2

■ 879DFF

■ 003CB6

■ A7B8FF

■ 00279A

■ C6D3FF

■ 001580

■ E4EFFF

■ 000066

■ 00094D

■ 000535

■ 00021F

■ 000001

■ 436AEF

■ 436AEF

■ 2B58EF

■ 5B7CEF

■ 1345EF

■ 738FEF

■ 0036EF

■ 8BA1EF

■ A3B4EF

■ BAC6EF

■ D2D9EF

■ EAEBEF

■ FFFEEF

■ FFFFEF

# Harmonies

## Analogous

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



0082F9



436AEF



B344C4

# Triad

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



436AEF



C84E00



008F64

# Complementary

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



436AEF



EFC843

# 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.



008B1A



436AEF



9A6D00

# Square

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



436AEF



E22045



5C8100



0091A8

# Rectangle

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



436AEF



D5229C



5C8100



008E4D



# Sweetspot

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



436AEF



C7D4FF



43EFC7



5E6680



000000



808080



# Same Dimension

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



436AEF



2455FF



7143EF



6C6F78



002AB8



000D38



# Inverse Universe

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



EF436A



FF2455



C1EF43



786C6F



B8002A

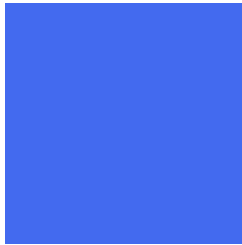


38000D



# Previews

## White Background



This preview shows how the Hex color 436AEF looks on a white background.

## Color Contrast Check

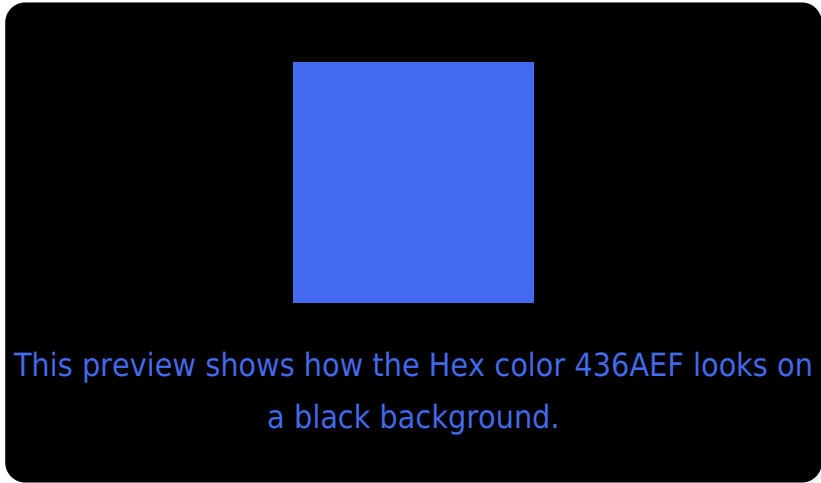
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

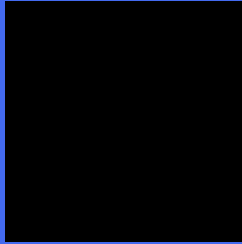
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 436AEF Background



This preview shows how black text looks on a background with the Hex color 436AEF.



This preview shows how white text looks on a background with the Hex color 436AEF.

# 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**  
436AEF

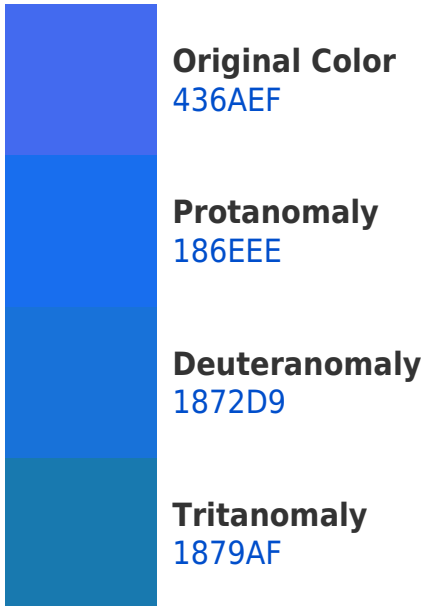
**Protanopia**  
0070EE

**Deuteranopia**  
0077CD

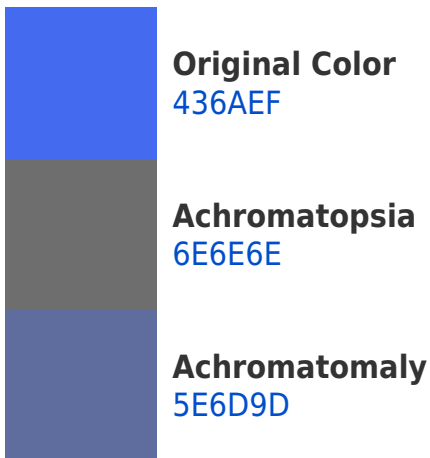


**Tritanopia**  
00818A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 436AEF 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 #436AEF looks like.

```
.text, #text, p{  
    color:#436AEF  
}
```

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 #436AEF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #436AEF
}
```

## Border

The CSS property to change the border of an element to Hex 436AEF is called "border". The border property can be set on classes, ids or directly on the HTML element.

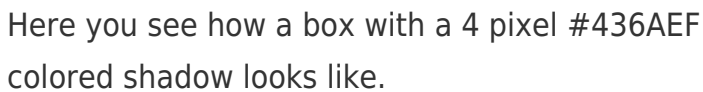
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#436AEF }
```

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

```
.border{ border-color:#436AEF }
```

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



Here you see how a box with a 4 pixel #436AEF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #436AEF; -webkit-box-shadow:4px 4px  
4px 4px #436AEF; box-shadow:4px 4px 4px  
4px #436AEF }
```

# Background

The CSS property to change the background color of an element to Hex 436AEF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#436AEF }
```

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

```
.background{ background-color:#436AEF }
```

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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