

# Converting Colors

Hex(434EE2)

Have a look what the booklet for  
Hex(434EE2) contains.

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# Color

Hex(434EE2)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	434EE2
RGB	67, 78, 226
RGB Percent	26%, 31%, 89%
CMY	0.7373, 0.6941, 0.1137
CMYK	0.70, 0.65, 0.00, 0.11
HSL	236°, 73%, 57%
HSV	236°, 70%, 89%
XYZ	18.7666, 12.1331, 73.3043
YIQ	91.5830, -54.0640, 43.6960

# Conversions

## Conversions Part 2

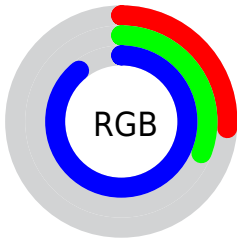
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	67, 77, 226
Decimal	4411106
CIE Lab	41.43, 43.62, -76.28
CIE LCh	41, 87.869, 299.765
Yxy	12.1331, 0.1801, 0.1164
Android (android.graphics.Color)	4282601186 (0xFF434EE2)
YUV	91.5830, 66.2676, -21.5593
Hunter-Lab	34.8325, 35.2128, -100.3917

# Details

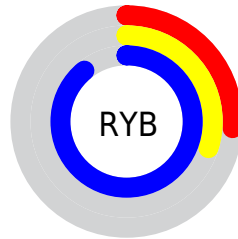
The Hex color **434EE2** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **E2D743**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **8780FF**, and **0021A9** is the 20% darker color. If you saturate the color by 10%, you get **2C39E2**, and if you desaturate by 10%, it is **5A63E2**.

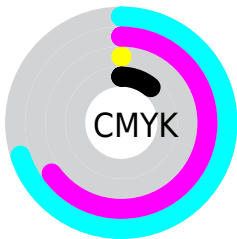
# Distribution



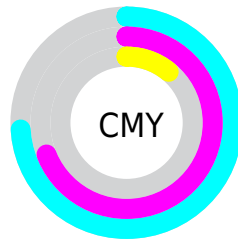
- Red (26%)
- Green (31%)
- Blue (89%)



- Red (26%)
- Yellow (30%)
- Blue (89%)



- Cyan (70%)
- Magenta (65%)
- Yellow (0%)
- Black (11%)



- Cyan (74%)
- Magenta (69%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 434EE2 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 434EE2 by changing the saturation by 10% instead.



 434EE2

 434EE2

FFFFFF

 0A37C5

 8780FF

 0021A9

 A69AFF

 000E8E

 C4B5FF

 000074

 E3D0FF

 00085A

 FFEDFF

 000741

 00032A

 000114

 000000

■ 434EE2

■ 434EE2

■ 2C39E2

■ 5A63E2

■ 1624E2

■ 7078E2

■ 0010E2

■ 878DE2

■ 9DA2E2

■ B4B7E2

■ CBCCE2

■ E1E1E2

■ F8F6E2

■ FFFFE2

# Harmonies

## Analogous

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



006DF6



434EE2



B200AC

# Triad

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



434EE2



AE3C00



007C5F

# Complementary

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



434EE2



E2D743

# 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.



007903



434EE2



785F00

# Square

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



434EE2



D10020



297100



007EA9

# Rectangle

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



434EE2



D0007E



297100



007C46



# Sweetspot

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



434EE2



C9CDFF



43E2D5



606280



000000



808080



# Same Dimension

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



434EE2



2938FF



8543E2



656670



000CB0



000330



# Inverse Universe

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



E2434E



FF2938



A0E243



706566



B0000C

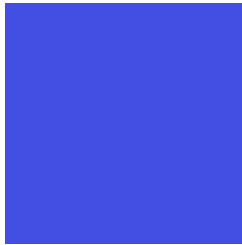


300003



# Previews

## White Background



This preview shows how the Hex color 434EE2 looks on a white background.

## Color Contrast Check

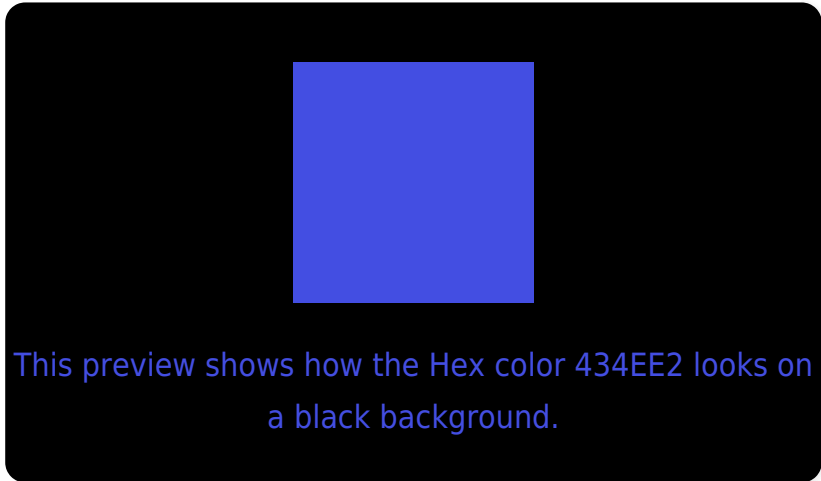
Large Text (above 18pt) WCAG AA ✓ Pass

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

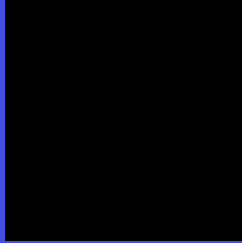
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 434EE2 Background



This preview shows how black text looks on a background with the Hex color 434EE2.



This preview shows how white text looks on a background with the Hex color 434EE2.

# 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](#).

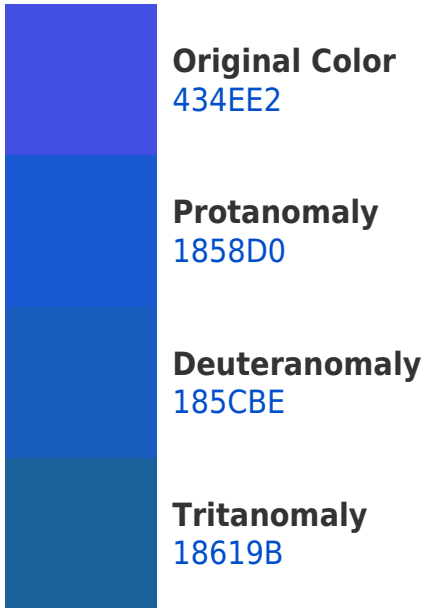
## Dichromacy



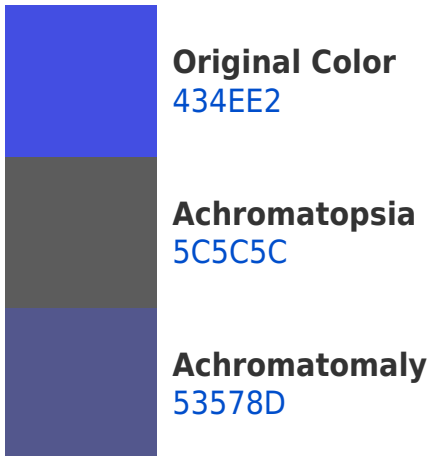


**Tritanopia**  
006C73

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 434EE2 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 #434EE2 looks like.

```
.text, #text, p{  
    color:#434EE2  
}
```

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 #434EE2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #434EE2
}
```

## Border

The CSS property to change the border of an element to Hex 434EE2 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
#434EE2 }
```

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

```
.border{ border-color:#434EE2 }
```

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

Here you see how a box with a 4 pixel #434EE2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #434EE2; -webkit-box-shadow:4px 4px  
4px 4px #434EE2; box-shadow:4px 4px 4px  
4px #434EE2 }
```

# Background

The CSS property to change the background color of an element to Hex 434EE2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#434EE2 }
```

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

```
.background{ background-color:#434EE2 }
```

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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