

# Converting Colors

Hex(447CEE)

Have a look what the booklet for  
Hex(447CEE) contains.

<b>Hex(447CEE)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(447CEE)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	447CEE
RGB	68, 124, 238
RGB Percent	27%, 49%, 93%
CMY	0.7333, 0.5137, 0.0667
CMYK	0.71, 0.48, 0.00, 0.07
HSL	220°, 83%, 60%
HSV	220°, 71%, 93%
XYZ	25.0242, 21.8173, 83.7812
YIQ	120.2520, -69.9700, 23.5820

# Conversions

## Conversions Part 2

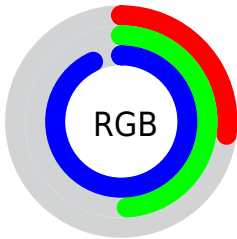
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	68, 110, 238
Decimal	4488430
CIE Lab	53.83, 19.46, -62.87
CIE LCh	54, 65.812, 287.199
Yxy	21.8173, 0.1916, 0.1670
Android (android.graphics.Color)	4282678510 (0xFF447CEE)
YUV	120.2520, 58.0498, -45.8250
Hunter-Lab	46.7090, 13.8900, -73.6512

# Details

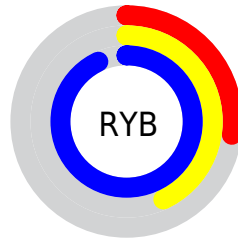
The Hex color **447CEE** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **EEB644**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **87B0FF**, and **004CB5** is the 20% darker color. If you saturate the color by 10%, you get **2C6CEE**, and if you desaturate by 10%, it is **5C8CEE**.

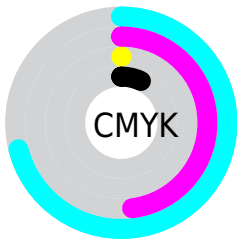
# Distribution



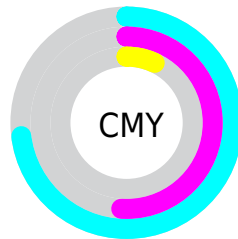
- Red (27%)
- Green (49%)
- Blue (93%)



- Red (27%)
- Yellow (43%)
- Blue (93%)



- Cyan (71%)
- Magenta (48%)
- Yellow (0%)
- Black (7%)



- Cyan (73%)
- Magenta (51%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 447CEE 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 447CEE by changing the saturation by 10% instead.



 447CEE

 447CEE

FFFFFF

 0E63D1

 87B0FF

 004CB5

 A6CBFF

 00369A

 C5E7FF

 00237F

 E3FFFF

 000F65

 00094C

 000535

 00021F

 000001

■ 447CEE

■ 447CEE

■ 2C6CEE

■ 5C8CEE

■ 145CEE

■ 749CEE

■ 004EEE

■ 8BACEE

■ A3BCEE

■ BBCCEE

■ D3DCEE

■ EBEC EE

■ FFFCEE

■ FFFFEE

# Harmonies

## Analogous

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



008EF0



447CEE



AB61CF

# Triad

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



447CEE



D45C2E



009966

# Complementary

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



447CEE



EEB644

# 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.



33932C



447CEE



AF7500

# Square

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



447CEE



E54563



7C8800



009AA1

# Rectangle

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



447CEE



CE4FAE



7C8800



009852



# Sweetspot

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



447CEE



C9DBFF



44EEB5



606A80



000000



808080



# Same Dimension

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



447CEE



246CFF



6044EE



6C7078



003CB8



001238



# Inverse Universe

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



EE447C



FF246C



D2EE44



786C70



B8003C



380012



# Previews

## White Background



This preview shows how the Hex color 447CEE looks on a white background.

## Color Contrast Check

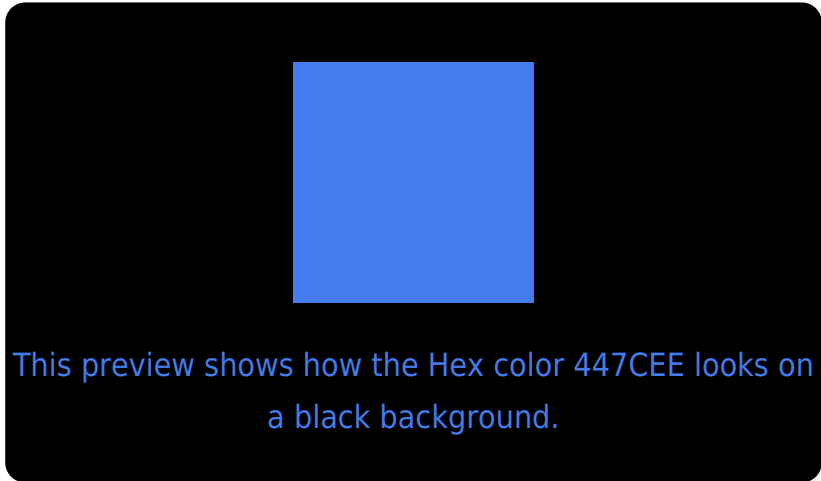
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

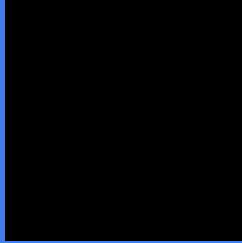
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

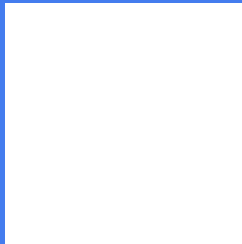
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 447CEE Background



This preview shows how black text looks on a background with the Hex color 447CEE.



This preview shows how white text looks on a background with the Hex color 447CEE.

# 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**  
008E99

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 447CEE 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 #447CEE looks like.

```
.text, #text, p{  
    color:#447CEE  
}
```

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 #447CEE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #447CEE
}
```

## Border

The CSS property to change the border of an element to Hex 447CEE 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
#447CEE }
```

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

```
.border{ border-color:#447CEE }
```

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

Here you see how a box with a 4 pixel #447CEE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #447CEE; -webkit-box-shadow:4px 4px  
4px 4px #447CEE; box-shadow:4px 4px 4px  
4px #447CEE }
```

# Background

The CSS property to change the background color of an element to Hex 447CEE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#447CEE }
```

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

```
.background{ background-color:#447CEE }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor