

# Converting Colors

Hex(4422EE)

Have a look what the booklet for  
Hex(4422EE) contains.

<b>Hex(4422EE)</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(4422EE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4422EE
RGB	68, 34, 238
RGB Percent	27%, 13%, 93%
CMY	0.7333, 0.8667, 0.0667
CMYK	0.71, 0.86, 0.00, 0.07
HSL	250°, 86%, 53%
HSV	250°, 86%, 93%
XYZ	18.3885, 8.5460, 81.5693
YIQ	67.4220, -45.2200, 70.6520

# Conversions

## Conversions Part 2

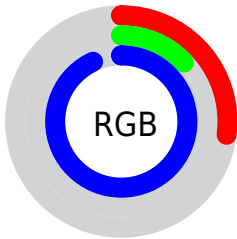
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	68, 34, 238
Decimal	4465390
CIE Lab	35.10, 68.95, -93.55
CIE LCh	35, 116.210, 306.390
Yxy	8.5460, 0.1695, 0.0788
Android (android.graphics.Color)	4282655470 (0xFF4422EE)
YUV	67.4220, 84.0950, 0.5069
Hunter-Lab	29.2336, 61.1213, -144.9708

# Details

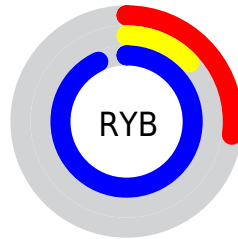
The Hex color **4422EE** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **CCEE22**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **8D59FF**, and **0000B4** is the 20% darker color. If you saturate the color by 10%, you get **300AEE**, and if you desaturate by 10%, it is **583AEE**.

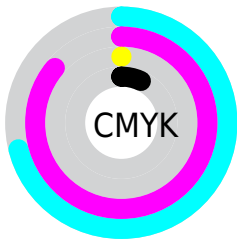
# Distribution



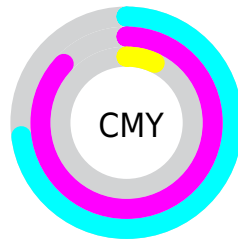
- Red (27%)
- Green (13%)
- Blue (93%)



- Red (27%)
- Yellow (13%)
- Blue (93%)



- Cyan (71%)
- Magenta (86%)
- Yellow (0%)
- Black (7%)



- Cyan (73%)
- Magenta (87%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4422EE 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 4422EE by changing the saturation by 10% instead.



 4422EE

 4422EE

FFFFFF

 0000D1

 8D59FF

 0000B4

 AD73FF

 000098

 CD8FFF

 00007D

 EDAAFF

 000C63

 FFC6FF

 00094A

 FFE3FF

 000433

 00021D

 000000

■ 4422EE

■ 4422EE

■ 300AEE

■ 583AEE

■ 2800EE

■ 6C52EE

■ 8069EE

■ 9381EE

■ A799EE

■ BBB1EE

■ CFC9EE

■ E3E0EE

■ F6F8EE

# Harmonies

## Analogous

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



005FFF



4422EE



C6009F

# Triad

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



4422EE



9D2700



006F65

# Complementary

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



4422EE



CCEE22

# 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.



006C00



4422EE



545700

# Square

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



4422EE



D00000



006700



0072C2

# Rectangle

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



4422EE



E00063



006700



006E45



# Sweetspot

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



4422EE



C8BDFE



22CCEE



5F5880



000000



808080



# Same Dimension

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



4422EE



2B00FF



AA22EE



6E6C78



1F00B8



090038



# Inverse Universe

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



EE22CC



FF00D5



66EE22



786C76



B80099

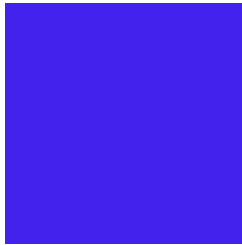


38002F



# Previews

## White Background



This preview shows how the Hex color 4422EE 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 ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

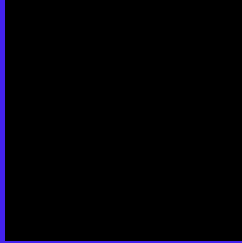
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4422EE Background



This preview shows how black text looks on a background with the Hex color 4422EE.



This preview shows how white text looks on a background with the Hex color 4422EE.

# 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**  
005B60

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4422EE 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 #4422EE looks like.

```
.text, #text, p{  
    color:#4422EE  
}
```

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 #4422EE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4422EE
}
```

## Border

The CSS property to change the border of an element to Hex 4422EE is called "border". The border property can be set on classes, ids or directly on the HTML element.

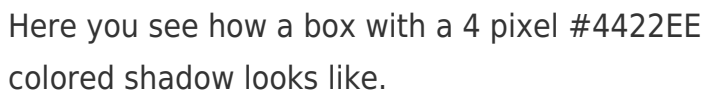
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#4422EE }
```

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

```
.border{ border-color:#4422EE }
```

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



Here you see how a box with a 4 pixel #4422EE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4422EE; -webkit-box-shadow:4px 4px  
4px 4px #4422EE; box-shadow:4px 4px 4px  
4px #4422EE }
```

# Background

The CSS property to change the background color of an element to Hex 4422EE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4422EE }
```

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

```
.background{ background-color:#4422EE }
```

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