

# Converting Colors

Hex(3939EA)

Have a look what the booklet for  
Hex(3939EA) contains.

|  |    |
|--|----|
| <b>Hex(3939EA)</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> .....               | 28 |

# Color

**Hex(3939EA)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 3939EA                     |
| RGB           | 57, 57, 234                |
| RGB Percent   | 22%, 22%, 92%              |
| CMY           | 0.7765, 0.7765, 0.0824     |
| CMYK          | 0.76, 0.76, 0.00, 0.08     |
| HSL           | 240°, 81%, 57%             |
| HSV           | 240°, 76%, 92%             |
| XYZ           | 18.0018, 9.7366, 78.7725   |
| YIQ           | 77.1780, -56.8170, 55.0470 |

# Conversions

## Conversions Part 2

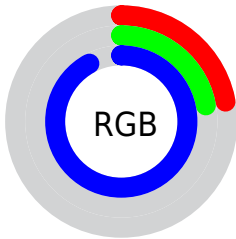
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 57, 57, 234                    |
| Decimal                             | 3750378                        |
| CIELab                              | 37.37, 57.12, -87.53           |
| CIElCh                              | 37, 104.520, 303.125           |
| Yxy                                 | 9.7366, 0.1690,<br>0.0914      |
| Android<br>(android.graphics.Color) | 4281940458<br>(0xFF3939EA)     |
| YUV                                 | 77.1780, 77.3132,<br>-17.6961  |
| Hunter-Lab                          | 31.2036, 48.3728,<br>-127.8333 |

# Details

The Hex color **3939EA** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **EAEA39**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **836BFF**, and **0007B1** is the 20% darker color. If you saturate the color by 10%, you get **2222EA**, and if you desaturate by 10%, it is **5050EA**.

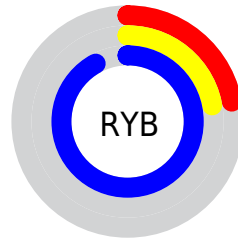
# Distribution



Red (22%)

Green (22%)

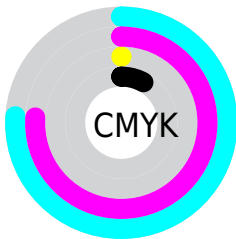
Blue (92%)



Red (22%)

Yellow (22%)

Blue (92%)

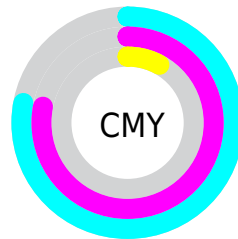


Cyan (76%)

Magenta (76%)

Yellow (0%)

Black (8%)



Cyan (78%)

Magenta (78%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3939EA 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 3939EA by changing the saturation by 10% instead.



 3939EA

 3939EA

FFFFFF

 0021CD

 836BFF

 0007B1

 A485FF

 000095

 C3A0FF

 00007A

 E3BBFF

 000D60

 FFD7FF

 000847

 FFF4FF

 000430

 00011A

 000000

■ 3939EA

■ 3939EA

■ 2222EA

■ 5050EA

■ 0A0AEA

■ 6868EA

■ 0000EA

■ 7F7FEA

■ 9797EA

■ AEAEEA

■ C5C5EA

■ DDDDEA

■ F4F4EA

■ FFFFEA

# Harmonies

## Analogous

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



0065FF



3939EA



BB00A6

# Triad

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



3939EA



A52C00



00745F

# Complementary

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



3939EA



EAEA39

# 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.



007100



3939EA



645900

# Square

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



3939EA



D10000



006A00



0076B4

# Rectangle

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



3939EA



D8006F



006A00



007341



# Sweetspot

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



3939EA



C4C4FF



39EAEA



5C5C80



000000



808080



# Same Dimension

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



3939EA



1717FF



9239EA



6A6A75



0000B5



000036



# Inverse Universe

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



EA39EA



FF17FF



92EA39



756A75



B500B5

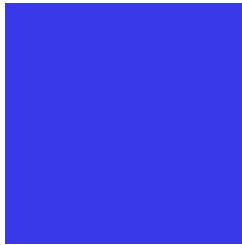


360036



# Previews

## White Background



This preview shows how the Hex color 3939EA looks on a white background.

## Color Contrast Check

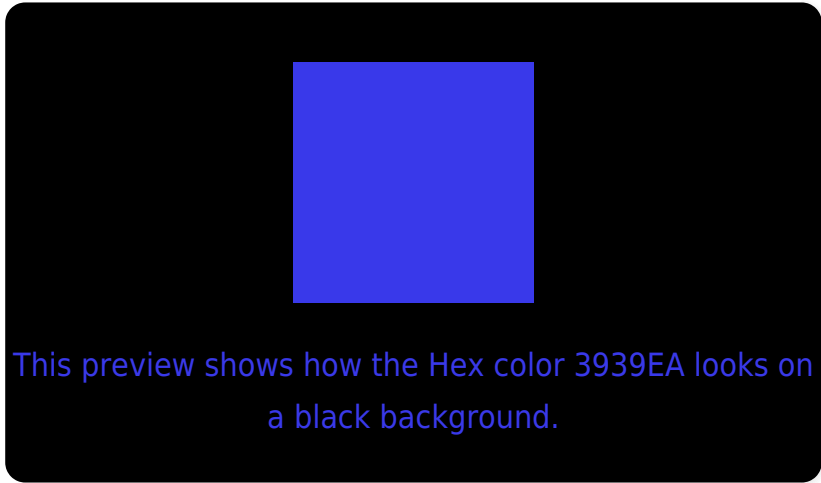
Large Text (above 18pt) WCAG AA ✓ Pass

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

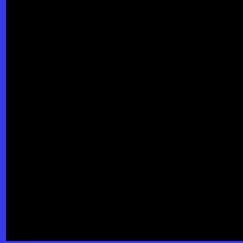
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3939EA Background



This preview shows how black text looks on a background with the Hex color 3939EA.



This preview shows how white text looks on a background with the Hex color 3939EA.

# 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



# Trichromacy



**Original Color**  
3939EA

**Protanomaly**  
154AC6

**Deuteranomaly**  
154EB5

# Monochromacy



**Original Color**  
3939EA

**Achromatopsia**  
4D4D4D

**Achromatomaly**  
464686

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3939EA 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 #3939EA looks like.

```
.text, #text, p{  
    color:#3939EA  
}
```

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 #3939EA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3939EA
}
```

## Border

The CSS property to change the border of an element to Hex 3939EA 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".

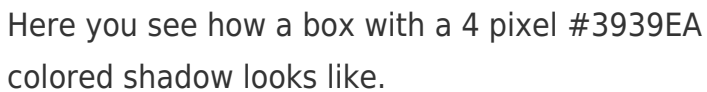
```
.border, #border, table{ border:4px solid
#3939EA }
```

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

```
.border{ border-color:#3939EA }
```

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

Here you see how a box with a 4 pixel #3939EA colored shadow looks like.

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3939EA; -webkit-box-shadow:4px 4px  
4px 4px #3939EA; box-shadow:4px 4px 4px  
4px #3939EA }
```

# Background

The CSS property to change the background color of an element to Hex 3939EA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3939EA }
```

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

```
.background{ background-color:#3939EA }
```

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