

# Converting Colors

Hex(3399EE)

Have a look what the booklet for  
Hex(3399EE) contains.

<b>Hex(3399EE)</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(3399EE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3399EE
RGB	51, 153, 238
RGB Percent	20%, 60%, 93%
CMY	0.8000, 0.4000, 0.0667
CMYK	0.79, 0.36, 0.00, 0.07
HSL	207°, 85%, 57%
HSV	207°, 79%, 93%
XYZ	28.1891, 29.6593, 85.1280
YIQ	132.1920, -88.0770, 4.8110

# Conversions

## Conversions Part 2

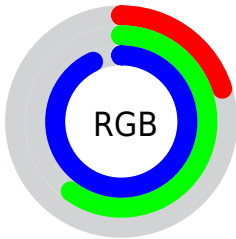
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	51, 117, 238
Decimal	3381742
CIE Lab	61.36, -0.00, -50.87
CIE LCh	61, 50.869, 269.995
Yxy	29.6593, 0.1972, 0.2074
Android (android.graphics.Color)	4281571822 (0xFF3399EE)
YUV	132.1920, 52.1633, -71.2054
Hunter-Lab	54.4604, -2.9127, -54.5550

# Details

The Hex color **3399EE** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **EE8833**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **7CCFFF**, and **0067B6** is the 20% darker color. If you saturate the color by 10%, you get **1B8EEE**, and if you desaturate by 10%, it is **4BA4EE**.

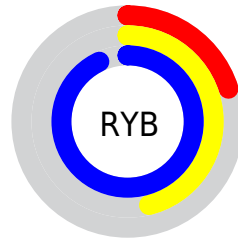
# Distribution



Red (20%)

Green (60%)

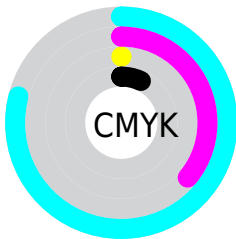
Blue (93%)



Red (20%)

Yellow (46%)

Blue (93%)

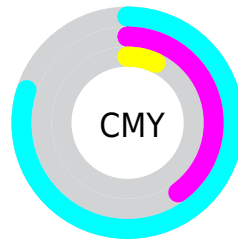


Cyan (79%)

Magenta (36%)

Yellow (0%)

Black (7%)



Cyan (80%)

Magenta (40%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3399EE 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 3399EE by changing the saturation by 10% instead.



 3399EE

 3399EE

FFFFFF

 007FD1

 7CCFFF

 0067B6

 9CEBFF

 004F9A

 BBFFFF

 003980

 DAFFFF

 002466

 F9FFFF

 000E4E

 000536

 000220

 000004

■ 3399EE

■ 3399EE

■ 1B8EEE

■ 4BA4EE

■ 0383EE

■ 63AFEE

■ 0082EE

■ 7AB9EE

■ 92C4EE

■ AACFEE

■ C2DAEE

■ DAE5EE

■ F1F0EE

■ FFFAEE

# Harmonies

## Analogous

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



00A4E1



3399EE



9688E2

# Triad

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



3399EE



E5726A



43A765

# Complementary

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



3399EE



EE8833

# 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.



809F42



3399EE



D18146

# Square

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



3399EE



E56D96



AD9235



00AA93

# Rectangle

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



3399EE



BD7CCE



AD9235



5BA558

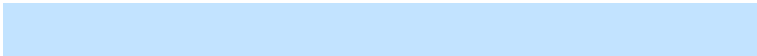


# Sweetspot

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



3399EE



C2E3FF



33EE87



5B6F80



000000



808080



# Same Dimension

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



3399EE



0F92FF



333CEE



6C7278



0064B8



001F38



# Inverse Universe

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



EE3399



FF0F92



EEE533



786C72



B80064



38001F



# Previews

## White Background



This preview shows how the Hex color 3399EE looks on a white background.

## Color Contrast Check

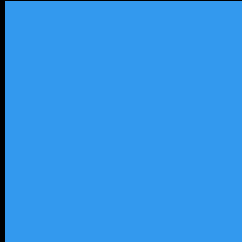
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 3399EE looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

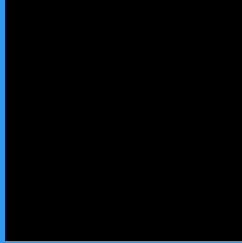
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

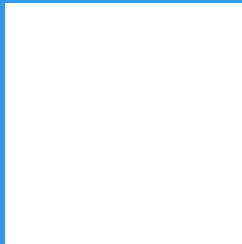
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 3399EE Background



This preview shows how black text looks on a background with the Hex color 3399EE.



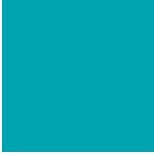
This preview shows how white text looks on a background with the Hex color 3399EE.

# 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](#).

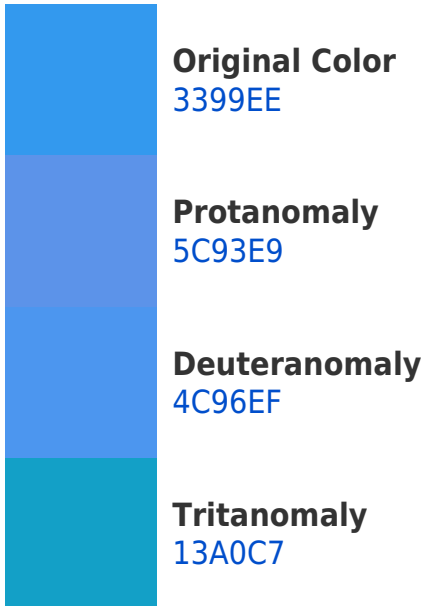
## Dichromacy



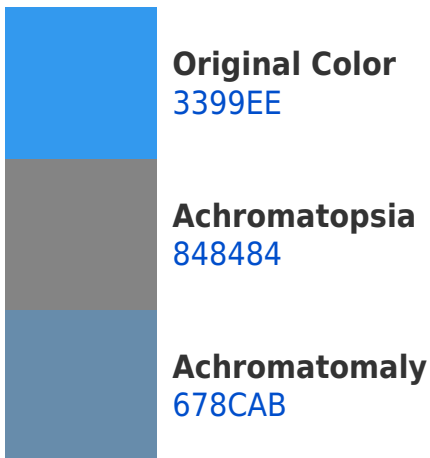


**Tritanopia**  
00A4B0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3399EE 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 #3399EE looks like.

```
.text, #text, p{  
    color:#3399EE  
}
```

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 #3399EE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3399EE
}
```

## Border

The CSS property to change the border of an element to Hex 3399EE 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
#3399EE }
```

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

```
.border{ border-color:#3399EE }
```

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

Here you see how a box with a 4 pixel #3399EE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3399EE; -webkit-box-shadow:4px 4px  
4px 4px #3399EE; box-shadow:4px 4px 4px  
4px #3399EE }
```

# Background

The CSS property to change the background color of an element to Hex 3399EE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3399EE }
```

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

```
.background{ background-color:#3399EE }
```

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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