

# Converting Colors

Hex(219EEE)

Have a look what the booklet for  
Hex(219EEE) contains.

<b>Hex(219EEE)</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(219EEE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	219EEE
RGB	33, 158, 238
RGB Percent	13%, 62%, 93%
CMY	0.8706, 0.3804, 0.0667
CMYK	0.86, 0.34, 0.00, 0.07
HSL	203°, 86%, 53%
HSV	203°, 86%, 93%
XYZ	28.2867, 30.9501, 85.3720
YIQ	129.7450, -100.1800, -1.6200

# Conversions

## Conversions Part 2

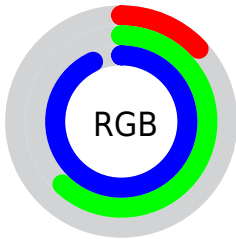
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	33, 111, 238
Decimal	2203374
CIE Lab	62.47, -4.39, -49.14
CIE LCh	62, 49.333, 264.896
Yxy	30.9501, 0.1956, 0.2140
Android (android.graphics.Color)	4280393454 (0xFF219EEE)
YUV	129.7450, 53.3697, -84.8454
Hunter-Lab	55.6328, -6.5985, -52.0412

# Details

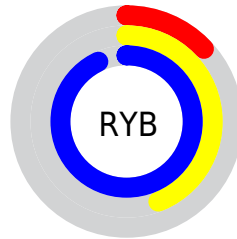
The Hex color **219EEE** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **EE7121**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **74D4FF**, and **006BB6** is the 20% darker color. If you saturate the color by 10%, you get **0995EE**, and if you desaturate by 10%, it is **39A7EE**.

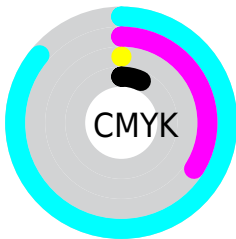
# Distribution



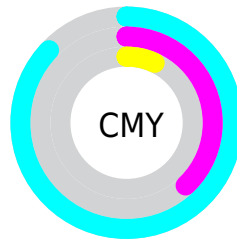
- Red (13%)
- Green (62%)
- Blue (93%)



- Red (13%)
- Yellow (44%)
- Blue (93%)



- Cyan (86%)
- Magenta (34%)
- Yellow (0%)
- Black (7%)



- Cyan (87%)
- Magenta (38%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 219EEE 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 219EEE by changing the saturation by 10% instead.



 219EEE

 219EEE

FFFFFF

 0084D1

 74D4FF

 006BB6

 94F1FF

 00539A

 B4FFFF

 003D80

 D3FFFF

 002866

 F2FFFF

 00134E

 000536

 000220

 000004

■ 219EEE

■ 219EEE

■ 0995EE

■ 39A7EE

■ 0091EE

■ 51B1EE

■ 68BAEE

■ 80C3EE

■ 98CCEE

■ B0D6EE

■ C8DFEE

■ DFE8EE

■ F7F2EE

# Harmonies

## Analogous

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



00A8DE



219EEE



8D8FE7

# Triad

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



219EEE



E87475



56A863

# Complementary

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



219EEE



EE7121

# 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.



8C9F44



219EEE



D78250

# Square

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



219EEE



E372A0



B7923C



00AD8E

# Rectangle

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



219EEE



B683D5



B7923C



6AA656

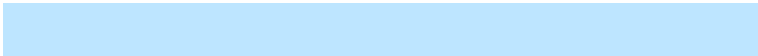


# Sweetspot

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



219EEE



BDE5FF



21EE70



587080



000000



808080

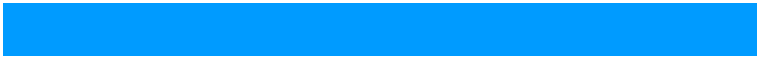


# Same Dimension

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



219EEE



009BFF



2139EE



6C7378



0070B8



002238



# Inverse Universe

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



EE219E



FF009B



EED621



786C73



B80070

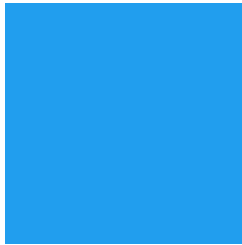


380022



# Previews

## White Background



This preview shows how the Hex color 219EEE looks on a white background.

## Color Contrast Check

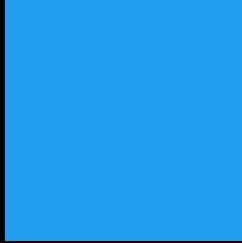
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 219EEE looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

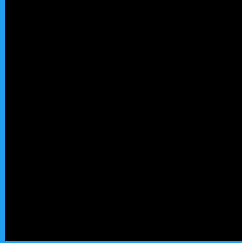
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

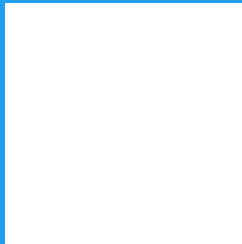
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 219EEE Background



This preview shows how black text looks on a background with the Hex color 219EEE.



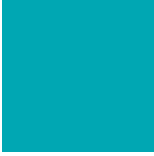
This preview shows how white text looks on a background with the Hex color 219EEE.

# 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



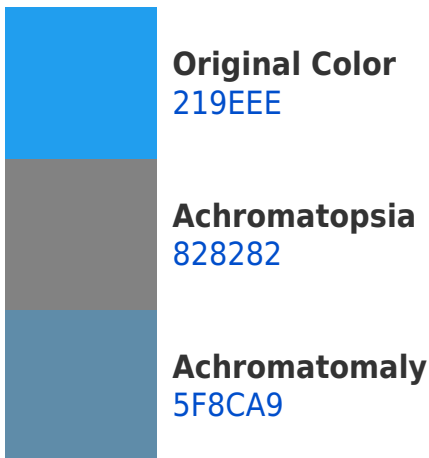


**Tritanopia**  
00A7B3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 219EEE 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 #219EEE looks like.

```
.text, #text, p{  
    color:#219EEE  
}
```

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 #219EEE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #219EEE
}
```

## Border

The CSS property to change the border of an element to Hex 219EEE 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
#219EEE }
```

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

```
.border{ border-color:#219EEE }
```

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

Here you see how a box with a 4 pixel #219EEE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #219EEE; -webkit-box-shadow:4px 4px  
4px 4px #219EEE; box-shadow:4px 4px 4px  
4px #219EEE }
```

# Background

The CSS property to change the background color of an element to Hex 219EEE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#219EEE }
```

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

```
.background{ background-color:#219EEE }
```

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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