

# Converting Colors

Hex(38ECF9)

Have a look what the booklet for  
Hex(38ECF9) contains.

<b>Hex(38ECF9)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(38ECF9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	38ECF9
RGB	56, 236, 249
RGB Percent	22%, 93%, 98%
CMY	0.7804, 0.0745, 0.0235
CMYK	0.78, 0.05, 0.00, 0.02
HSL	184°, 94%, 60%
HSV	184°, 78%, 98%
XYZ	48.7252, 67.6712, 100.1163
YIQ	183.6620, -111.4530, -34.1170

# Conversions

## Conversions Part 2

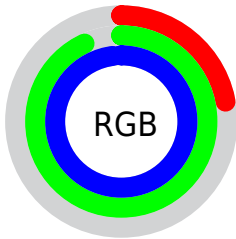
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	56, 149, 249
Decimal	3730681
CIE Lab	85.84, -38.81, -18.89
CIE LCh	86, 43.160, 205.959
Yxy	67.6712, 0.2250, 0.3126
Android (android.graphics.Color)	4281920761 (0xFF38ECF9)
YUV	183.6620, 32.2116, -111.9596
Hunter-Lab	82.2625, -38.2314, -14.5742

# Details

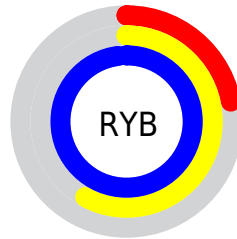
The Hex color **38ECF9** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **F94538**, and the grayscale version is **B7B7B7**.

A 20% lighter version of the original color is **86FFFF**, and **00B4C1** is the 20% darker color. If you saturate the color by 10%, you get **1FEAF9**, and if you desaturate by 10%, it is **51EEF9**.

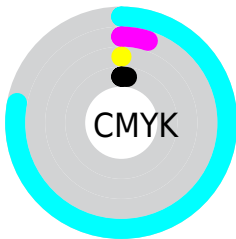
# Distribution



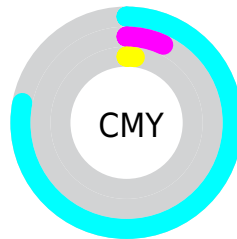
- Red (22%)
- Green (93%)
- Blue (98%)



- Red (22%)
- Yellow (58%)
- Blue (98%)



- Cyan (78%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (78%)
- Magenta (7%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 38ECF9 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 38ECF9 by changing the saturation by 10% instead.




 38ECF9

 38ECF9


FFFFFF

 00CFDC

 86FFFF

 00B4C1

 A7FFFF

 0098A5

 C8FFFF

 007E8B

 E7FFFF

 006472

 004C59

 003442

 001E2C

 000117

 38ECF9

 38ECF9

 1FEAF9

 51EEF9

 06E9F9

 6AEFF9

 00E8F9

 83F1F9

 9CF3F9

 B4F4F9

 CDF6F9

 E6F8F9

 FFF9F9

 FFFBF9

# Harmonies

## Analogous

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



69ECCF



38ECF9



4FE7FF

# Triad

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



38ECF9



FFC0FF



F7D285

# Complementary

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



38ECF9



F94538

# 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.



FFC494



38ECF9



FFB8DE

# Square

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



38ECF9



D4CEFF



FFB9B5



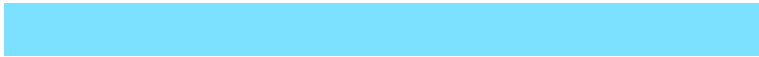
CDDF8C

# Rectangle

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



38ECF9



7CE0FF



FFB9B5



FFCE88

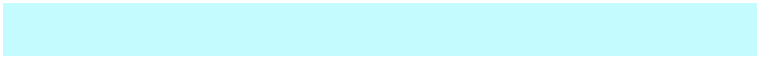


# Sweetspot

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



38ECF9



C4FBFF



38F945



5C7D80



000000



808080



# Same Dimension

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



38ECF9



12EFFF



388CF9



707C7D



00B0BD



00393D



# Inverse Universe

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



F938EC



FF12EF



F9A538



7D707C



BD00B0

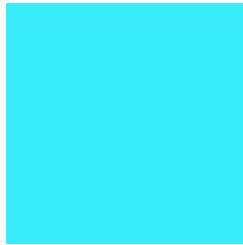


3D0039



# Previews

## White Background



This preview shows how the Hex color 38ECF9 looks on a white background.

## Color Contrast Check

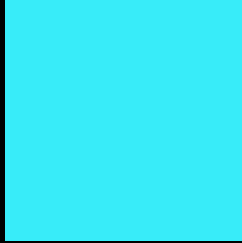
Large Text (above 18pt) WCAG AA × Fail

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 38ECF9 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 38ECF9 Background



This preview shows how black text looks on a background with the Hex color 38ECF9.

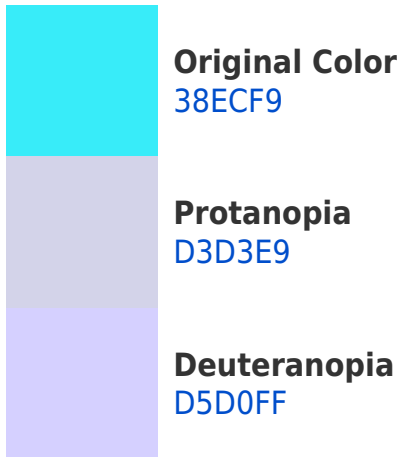


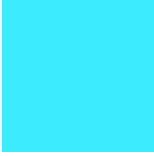
This preview shows how white text looks on a background with the Hex color 38ECF9.

# 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



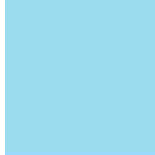


**Tritanopia**  
3CEBFE

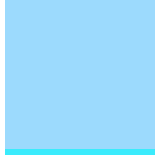
# Trichromacy



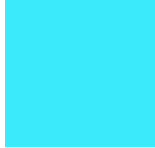
**Original Color**  
38ECF9



**Protanomaly**  
9BDCEF



**Deuteranomaly**  
9CDAFD

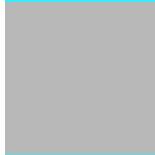


**Tritanomaly**  
3BEBFC

# Monochromacy



**Original Color**  
38ECF9



**Achromatopsia**  
B8B8B8



**Achromatomaly**  
89CBD0

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 38ECF9 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 #38ECF9 looks like.

```
.text, #text, p{  
    color:#38ECF9  
}
```

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 #38ECF9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #38ECF9
}
```

## Border

The CSS property to change the border of an element to Hex 38ECF9 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
#38ECF9 }
```

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

```
.border{ border-color:#38ECF9 }
```

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

Here you see how a box with a 4 pixel #38ECF9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #38ECF9; -webkit-box-shadow:4px 4px  
4px 4px #38ECF9; box-shadow:4px 4px 4px  
4px #38ECF9 }
```

# Background

The CSS property to change the background color of an element to Hex 38ECF9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#38ECF9 }
```

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

```
.background{ background-color:#38ECF9 }
```

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