

# Converting Colors

Hex(37E3F9)

Have a look what the booklet for  
Hex(37E3F9) contains.

<b>Hex(37E3F9)</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(37E3F9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	37E3F9
RGB	55, 227, 249
RGB Percent	22%, 89%, 98%
CMY	0.7843, 0.1098, 0.0235
CMYK	0.78, 0.09, 0.00, 0.02
HSL	187°, 94%, 60%
HSV	187°, 78%, 98%
XYZ	46.1435, 62.5899, 99.2716
YIQ	178.0800, -109.5740, -29.6220

# Conversions

## Conversions Part 2

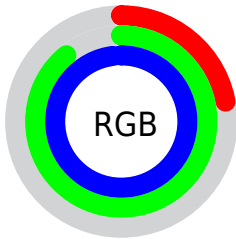
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	55, 146, 249
Decimal	3662841
CIE <sub>Lab</sub>	83.23, -34.73, -22.85
CIE <sub>LCh</sub>	83, 41.573, 213.348
Yxy	62.5899, 0.2218, 0.3009
Android (android.graphics.Color)	4281852921 (0xFF37E3F9)
YUV	178.0800, 34.9636, -107.9412
Hunter-Lab	79.1138, -34.3382, -19.0171

# Details

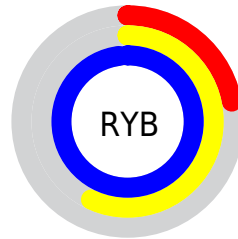
The Hex color **37E3F9** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **F94D37**, and the grayscale version is **B2B2B2**.

A 20% lighter version of the original color is **85FFFF**, and **00ABC1** is the 20% darker color. If you saturate the color by 10%, you get **1EE0F9**, and if you desaturate by 10%, it is **50E6F9**.

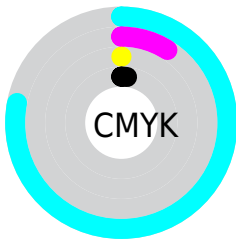
# Distribution



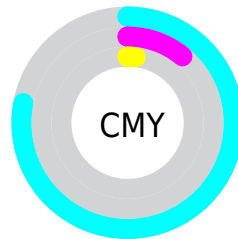
- Red (22%)
- Green (89%)
- Blue (98%)



- Red (22%)
- Yellow (57%)
- Blue (98%)



- Cyan (78%)
- Magenta (9%)
- Yellow (0%)
- Black (2%)



- Cyan (78%)
- Magenta (11%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 37E3F9 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 37E3F9 by changing the saturation by 10% instead.



 37E3F9

FFFFFF

 85FFFF

 A6FFFF

 C6FFFF

 E5FFFF

 37E3F9

 00C7DC

 00ABC1

 0090A5

 00768B

 005D71

 004559

 002E41

 00152B

 000116

 37E3F9

 37E3F9

 1EE0F9

 50E6F9

 05DDF9

 69E9F9

 00DDF9

 82EBF9

 9BEEF9

 B3F1F9

 CCF4F9

 E5F7F9

 FEFAF9

 FFFCF9

# Harmonies

## Analogous

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



5AE4D3



37E3F9



5EDDFF

# Triad

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



37E3F9



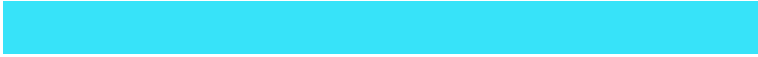
FFB7F3



E5CE81

# Complementary

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



37E3F9



F94D37

# 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.



FFC18A



37E3F9



FFB1CC

# Square

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



37E3F9



DAC4FF



FFB5A6



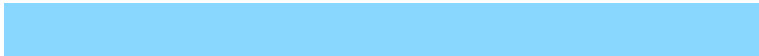
BCDA8D

# Rectangle

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



37E3F9



89D6FF



FFB5A6



F1CA81



# Sweetspot

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



37E3F9



C4F8FF



37F94A



5C7B80



000000



808080

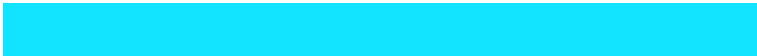


# Same Dimension

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



37E3F9



12E4FF



3785F9



707C7D



00A7BD



00363D



# Inverse Universe

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



F937E3



FF12E4



F9AB37



7D707C



BD00A7

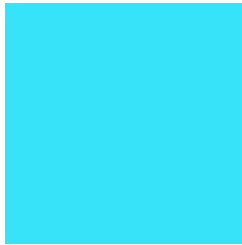


3D0036



# Previews

## White Background



This preview shows how the Hex color 37E3F9 looks on a white background.

## Color Contrast Check

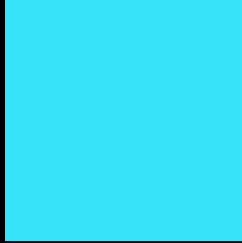
Large Text (above 18pt) WCAG AA × Fail

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 37E3F9 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 37E3F9 Background



This preview shows how black text looks on a background with the Hex color 37E3F9.

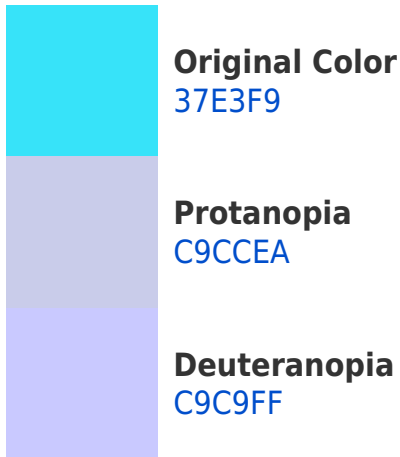


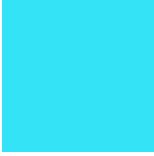
This preview shows how white text looks on a background with the Hex color 37E3F9.

# 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](#).

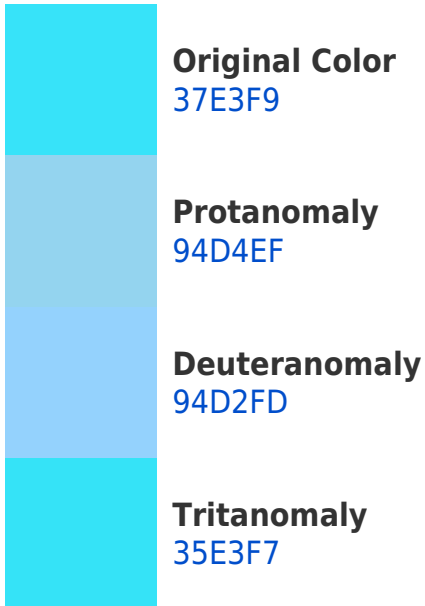
## Dichromacy



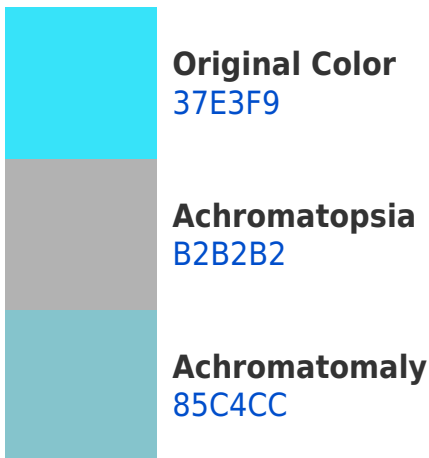


**Tritanopia**  
34E3F6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 37E3F9 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 #37E3F9 looks like.

```
.text, #text, p{  
    color:#37E3F9  
}
```

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 #37E3F9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #37E3F9
}
```

## Border

The CSS property to change the border of an element to Hex 37E3F9 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
#37E3F9 }
```

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

```
.border{ border-color:#37E3F9 }
```

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

Here you see how a box with a 4 pixel #37E3F9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #37E3F9; -webkit-box-shadow:4px 4px  
4px 4px #37E3F9; box-shadow:4px 4px 4px  
4px #37E3F9 }
```

# Background

The CSS property to change the background color of an element to Hex 37E3F9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#37E3F9 }
```

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

```
.background{ background-color:#37E3F9 }
```

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