

# Converting Colors

Hex(33EDFD)

Have a look what the booklet for  
Hex(33EDFD) contains.

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# **Color**

**Hex(33EDFD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33EDFD
RGB	51, 237, 253
RGB Percent	20%, 93%, 99%
CMY	0.8000, 0.0706, 0.0078
CMYK	0.80, 0.06, 0.00, 0.01
HSL	185°, 98%, 60%
HSV	185°, 80%, 99%
XYZ	49.3790, 68.3640, 103.5215
YIQ	183.2100, -115.9920, -34.4560

# Conversions

## Conversions Part 2

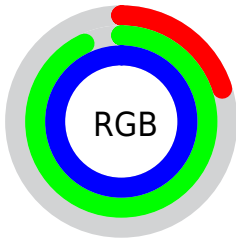
Format	Color
<a href="#">RYB</a>	51, 148, 253
Decimal	3403261
CIELab	86.19, -38.52, -20.48
CIELCh	86, 43.621, 207.995
Yxy	68.3640, 0.2232, 0.3090
Android (android.graphics.Color)	4281593341 (0xFF33EDFD)
YUV	183.2100, 34.4065, -115.9482
Hunter-Lab	82.6825, -38.0920, -16.3554

# Details

The Hex color **33EDFD** 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 **FD4333**, and the grayscale version is **B7B7B7**.

A 20% lighter version of the original color is **84FFFF**, and **00B5C4** is the 20% darker color. If you saturate the color by 10%, you get **1AEBFD**, and if you desaturate by 10%, it is **4CEFFD**.

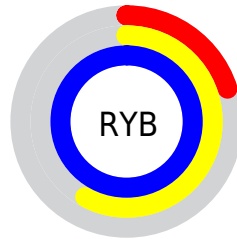
# Distribution



Red (20%)

Green (93%)

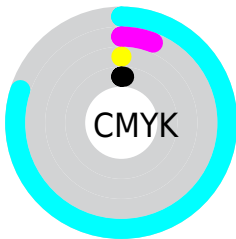
Blue (99%)



Red (20%)

Yellow (58%)

Blue (99%)

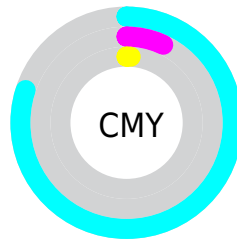


Cyan (80%)

Magenta (6%)

Yellow (0%)

Black (1%)



Cyan (80%)

Magenta (7%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33EDFD 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 33EDFD by changing the saturation by 10% instead.



 33EDFD

 33EDFD

FFFFFF

 00D0E0

 84FFFF

 00B5C4

 A6FFFF

 0099A9

 C6FFFF

 007F8F

 E6FFFF

 006575

 004C5C

 003545

 001F2E

 00011A

 33EDFD

 33EDFD

 1AEBFD

 4CEFFD

 00E9FD

 66F1FD

 7FF3FD

 98F5FD

 B2F7FD

 CBF9FD

 E4FBFD

 FDFDFD

FFFFFFD

# Harmonies

## Analogous

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



64EED3



33EDFD



51E7FF

# Triad

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



33EDFD



FFC0FF



F6D484

# Complementary

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



33EDFD



FD4333

# 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.



FFC693



33EDFD



FFB8DC

# Square

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



33EDFD



D9CEFF



FFBBB3



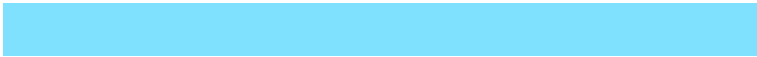
CBE18D

# Rectangle

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



33EDFD



80E1FF



FFBBB3



FFCF87

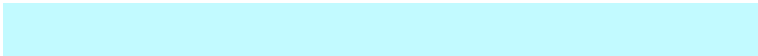


# Sweetspot

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



33EDFD



C2FAFF



33FD40



5B7D80



000000



808080



# Same Dimension

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



33EDFD



0AECFF



338BFD



737E80



00B0BF



003B40



# Inverse Universe

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



FD33ED



FF0AEC



FDA533



80737E



BF00B0

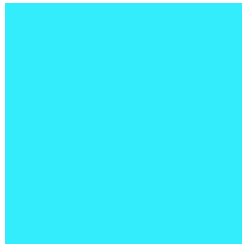


40003B



# Previews

## White Background



This preview shows how the Hex color 33EDFD looks on a white background.

## Color Contrast Check

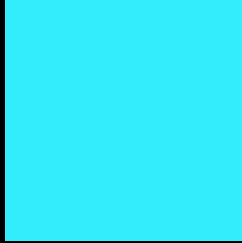
Large Text (above 18pt) WCAG AA × Fail

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 33EDFD 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 33EDFD Background



This preview shows how black text looks on a background with the Hex color 33EDFD.

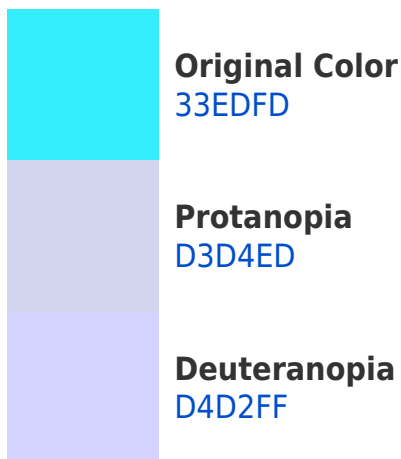


This preview shows how white text looks on a background with the Hex color 33EDFD.

# 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



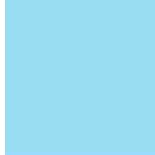


**Tritanopia**  
3FECFF

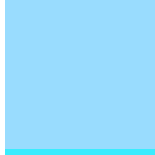
# Trichromacy



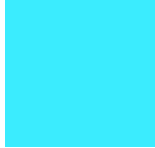
**Original Color**  
33EDFD



**Protanomaly**  
99DDF3



**Deuteranomaly**  
99DCFE

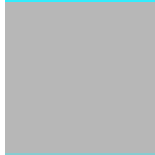


**Tritanomaly**  
3BECFE

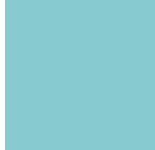
# Monochromacy



**Original Color**  
33EDFD



**Achromatopsia**  
B7B7B7



**Achromatomaly**  
87CBD0

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33EDFD 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 #33EDFD looks like.

```
.text, #text, p{  
    color:#33EDFD  
}
```

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 #33EDFD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33EDFD
}
```

## Border

The CSS property to change the border of an element to Hex 33EDFD 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
#33EDFD }
```

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

```
.border{ border-color:#33EDFD }
```

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

Here you see how a box with a 4 pixel #33EDFD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33EDFD; -webkit-box-shadow:4px 4px  
4px 4px #33EDFD; box-shadow:4px 4px 4px  
4px #33EDFD }
```

# Background

The CSS property to change the background color of an element to Hex 33EDFD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33EDFD }
```

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

```
.background{ background-color:#33EDFD }
```

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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