

Converting Colors

Hex(33E5FF)

Have a look what the booklet for
Hex(33E5FF) contains.

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Color

Hex(33E5FF)

Conversions

Conversions Part 1

Format	Color
Hex	33E5FF
RGB	51, 229, 255
RGB Percent	20%, 90%, 100%
CMY	0.8000, 0.1020, 0.0000
CMYK	0.80, 0.10, 0.00, 0.00
HSL	188°, 100%, 60%
HSV	188°, 80%, 100%
XYZ	47.4346, 63.9624, 104.4537
YIQ	178.7420, -114.4340, -29.6500

Conversions

Conversions Part 2

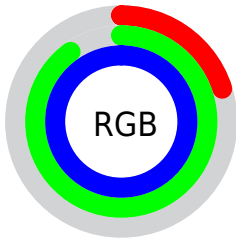
Format	Color
R _Y B	51, 146, 255
Decimal	3401215
CIE Lab	83.95, -34.20, -24.93
CIE LCh	84, 42.322, 216.089
Yxy	63.9624, 0.2198, 0.2963
Android (android.graphics.Color)	4281591295 (0xFF33E5FF)
YUV	178.7420, 37.5952, -112.0297
Hunter-Lab	79.9765, -34.0895, -21.4524

Details

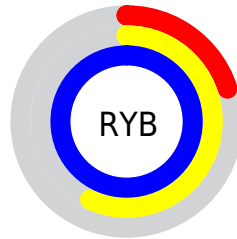
The Hex color **33E5FF** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **FF4D33**, and the grayscale version is **B2B2B2**.

A 20% lighter version of the original color is **84FFFF**, and **00ADC6** is the 20% darker color. If you saturate the color by 10%, you get **19E2FF**, and if you desaturate by 10%, it is **4DE8FF**.

Distribution



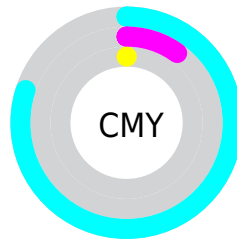
- Red (20%)
- Green (90%)
- Blue (100%)



- Red (20%)
- Yellow (57%)
- Blue (100%)



- Cyan (80%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33E5FF 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 33E5FF by changing the saturation by 10% instead.

 33E5FF

 33E5FF

FFFFFF

 00C9E2

 84FFFF

 00ADC6

 A5FFFF

 0092AB

 C5FFFF

 007890

 E5FFFF

 005F77

 00465E

 002F46

 001830

 00011B

 33E5FF

 33E5FF

 19E2FF

 4DE8FF

 00DEFF

 66EBFF

 80EFFF

 99F2FF

 B3F5FF

 CCF8FF

 E6FCFF

FFFFFF

Harmonies

Analogous

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



54E7D8



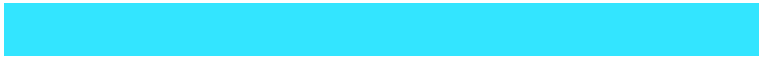
33E5FF



62DEFF

Triad

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



33E5FF



FFB7F2



E4D281

Complementary

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



33E5FF



FF4D33

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.



FFC489



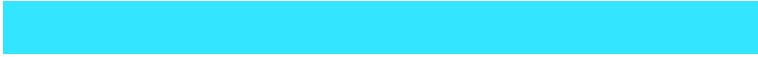
33E5FF



FFB2CB

Square

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



33E5FF



E1C4FF



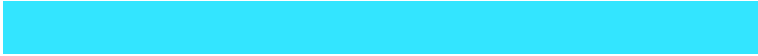
FFB8A4



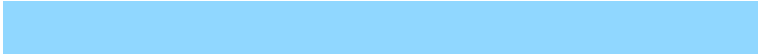
B9DD90

Rectangle

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



33E5FF



90D7FF



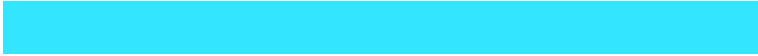
FFB8A4



F1CD81

Sweetspot

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



33E5FF



C2F7FF



33FF4B



5B7B80



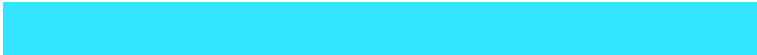
000000



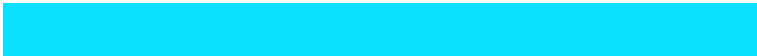
808080

Same Dimension

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



33E5FF



0AE0FF



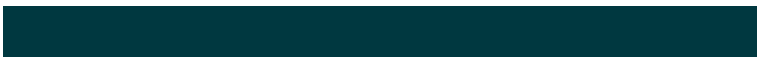
3381FF



737E80



00A7BF



003840

Inverse Universe

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



FF33E5



FF0AE0



FFB133



80737E



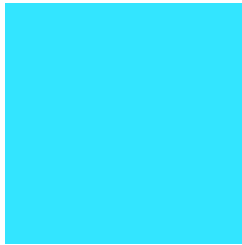
BF00A7



400038

Previews

White Background



This preview shows how the Hex color 33E5FF looks on a white background.

Color Contrast Check

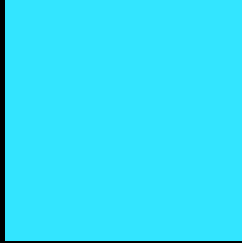
Large Text (above 18pt) WCAG AA × Fail

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 33E5FF looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

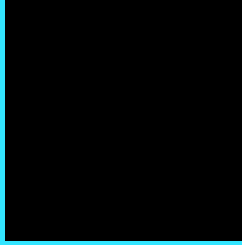
Any Text WCAG AA ✓ Pass

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 33E5FF Background



This preview shows how black text looks on a background with the Hex color 33E5FF.

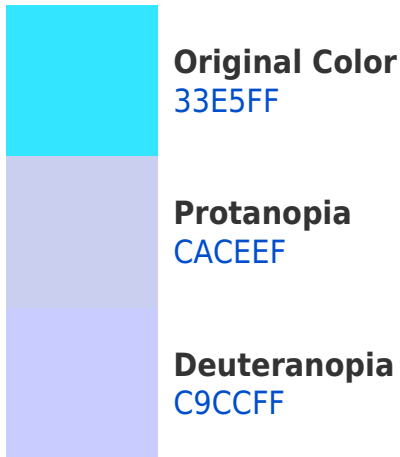


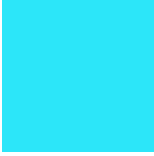
This preview shows how white text looks on a background with the Hex color 33E5FF.

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
2CE6F9

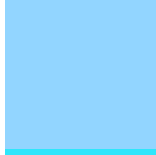
Trichromacy



Original Color
33E5FF



Protanomaly
93D6F5



Deuteranomaly
92D5FF

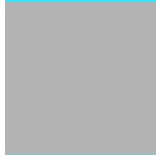


Tritanomaly
2FE6FB

Monochromacy



Original Color
33E5FF



Achromatopsia
B3B3B3



Achromatomaly
84C5CF

CSS Examples

Text

The CSS property to change the color of the text to Hex 33E5FF 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 #33E5FF looks like.

```
.text, #text, p{  
    color:#33E5FF  
}
```

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 #33E5FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33E5FF
}
```

Border

The CSS property to change the border of an element to Hex 33E5FF 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
#33E5FF }
```

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

```
.border{ border-color:#33E5FF }
```

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

Here you see how a box with a 4 pixel #33E5FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33E5FF; -webkit-box-shadow:4px 4px  
4px 4px #33E5FF; box-shadow:4px 4px 4px  
4px #33E5FF }
```

Background

The CSS property to change the background color of an element to Hex 33E5FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33E5FF }
```

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

```
.background{ background-color:#33E5FF }
```

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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