

# Converting Colors

Hex(33BFFF)

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

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# **Color**

**Hex(33BFFF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33BFFF
RGB	51, 191, 255
RGB Percent	20%, 75%, 100%
CMY	0.8000, 0.2510, 0.0000
CMYK	0.80, 0.25, 0.00, 0.00
HSL	199°, 100%, 60%
HSV	199°, 80%, 100%
XYZ	38.0460, 45.1854, 101.3242
YIQ	156.4360, -103.9840, -9.7760

# Conversions

## Conversions Part 2

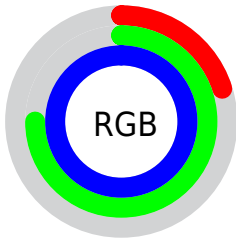
Format	Color
R <sub>Y</sub> B	51, 134, 255
Decimal	3391487
CIE Lab	73.01, -15.19, -41.79
CIE LCh	73, 44.463, 250.025
Yxy	45.1854, 0.2061, 0.2448
Android (android.graphics.Color)	4281581567 (0xFF33BFFF)
YUV	156.4360, 48.5921, -92.4674
Hunter-Lab	67.2201, -16.6056, -42.3167

# Details

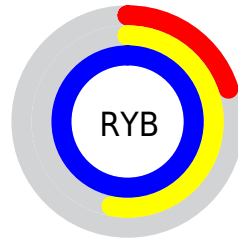
The Hex color **33BFFF** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **FF7333**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **81F7FF**, and **008AC6** is the 20% darker color. If you saturate the color by 10%, you get **19B7FF**, and if you desaturate by 10%, it is **4DC7FF**.

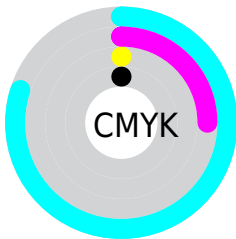
# Distribution



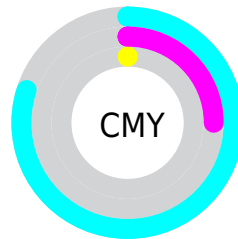
- Red (20%)
- Green (75%)
- Blue (100%)



- Red (20%)
- Yellow (53%)
- Blue (100%)



- Cyan (80%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (25%)
- Yellow (0%)

# Brightness & Saturation Gradients

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



 33BFFF

 33BFFF

FFFFFF

 00A4E2

 81F7FF

 008AC6

 A1FFFF

 0070AA

 C1FFFF

 005890

 E1FFFF

 004176

 002B5D

 001745

 00042E

 000118

■ 33BFFF

■ 33BFFF

■ 19B7FF

■ 4DC7FF

■ 00AFFF

■ 66CFFF

■ 80D7FF

■ 99DFFF

■ B3E7FF

■ CCEFFF

■ E6F7FF

FFFFFF

# Harmonies

## Analogous

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



00C6E6



33BFFF



8CB3FF

# Triad

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



33BFFF



FF93A7



93C073

# Complementary

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



33BFFF



FF7333

# 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.



C0B561



33BFFF



FC9A81

# Square

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



33BFFF



F197D0



E4A767



5EC796

# Rectangle

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



33BFFF



B7A9FA



E4A767



A3BD6B

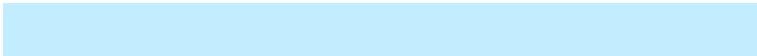


# Sweetspot

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



33BFFF



C2ECFF



33FF70



5B7480



000000



808080

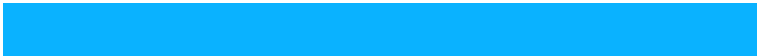


# Same Dimension

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



33BFFF



0AB2FF



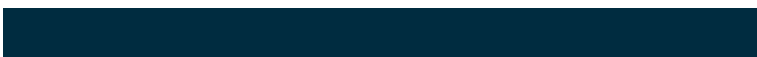
335CFF



737C80



0083BF



002C40



# Inverse Universe

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



FF33BF



FF0AB2



FFD633



80737B



BF0083

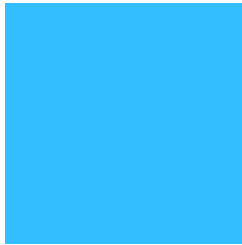


40002C



# Previews

## White Background



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

## Color Contrast Check

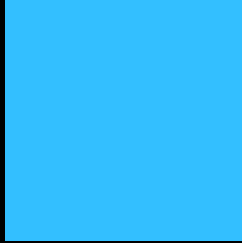
Large Text (above 18pt) WCAG AA × Fail

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 33BFFF 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

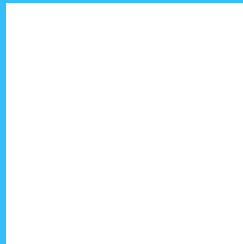
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 33BFFF Background



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

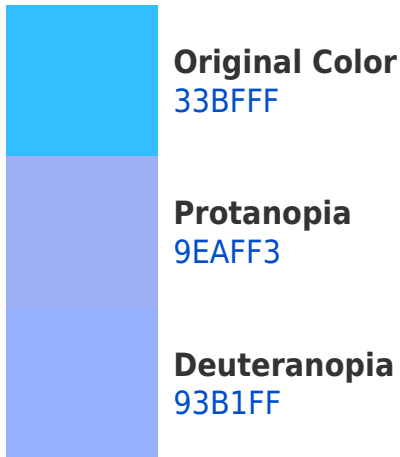


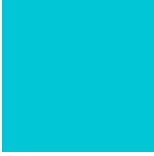
This preview shows how white text looks on a background with the Hex color 33BFFF.

# 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](#).

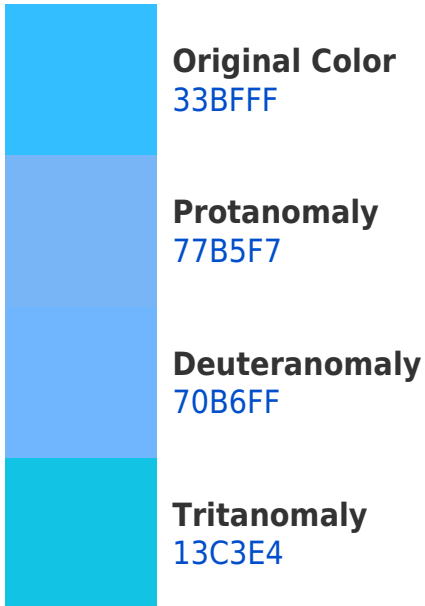
## Dichromacy



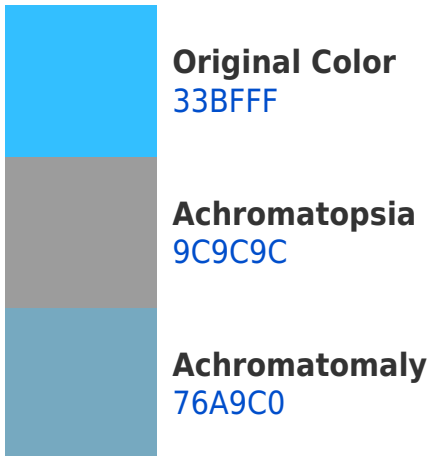


**Tritanopia**  
00C6D5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #33BFFF colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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