

# Converting Colors

Hex(33B5FF)

Have a look what the booklet for  
Hex(33B5FF) contains.

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# **Color**

**Hex(33B5FF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33B5FF
RGB	51, 181, 255
RGB Percent	20%, 71%, 100%
CMY	0.8000, 0.2902, 0.0000
CMYK	0.80, 0.29, 0.00, 0.00
HSL	202°, 100%, 60%
HSV	202°, 80%, 100%
XYZ	35.9391, 40.9716, 100.6219
YIQ	150.5660, -101.2340, -4.5460

# Conversions

## Conversions Part 2

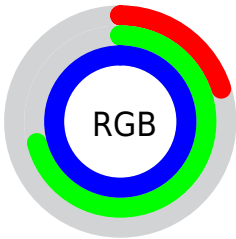
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	51, 130, 255
Decimal	3388927
CIE Lab	70.16, -9.80, -46.26
CIE LCh	70, 47.291, 258.037
Yxy	40.9716, 0.2024, 0.2308
Android (android.graphics.Color)	4281579007 (0xFF33B5FF)
YUV	150.5660, 51.4860, -87.3194
Hunter-Lab	64.0090, -11.7935, -48.3972

# Details

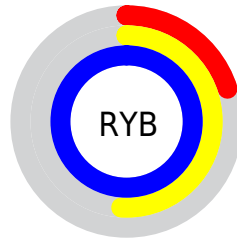
The Hex color **33B5FF** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **FF7D33**, and the grayscale version is **969696**.

A 20% lighter version of the original color is **80EDFF**, and **0080C6** is the 20% darker color. If you saturate the color by 10%, you get **19ACFF**, and if you desaturate by 10%, it is **4DBEFF**.

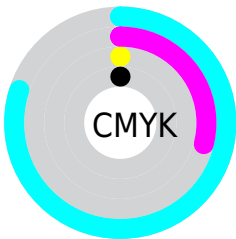
# Distribution



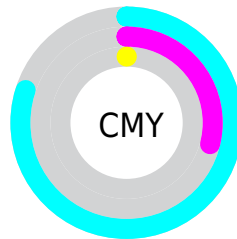
- Red (20%)
- Green (71%)
- Blue (100%)



- Red (20%)
- Yellow (51%)
- Blue (100%)



- Cyan (80%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (29%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33B5FF 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 33B5FF by changing the saturation by 10% instead.



 33B5FF

 33B5FF

FFFFFF

 009AE2

 80EDFF

 0080C6

 A1FFFF

 0068AA

 C0FFFF

 00508F

 E0FFFF

 003975

 00245C

 000944

 00032D

 000118

■ 33B5FF

■ 33B5FF

■ 19ACFF

■ 4DBEFF

■ 00A3FF

■ 66C8FF

■ 80D1FF

■ 99DAFF

■ B3E3FF

■ CCEDFF

■ E6F6FF

FFFFFF

# Harmonies

## Analogous

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



00BEEA



33B5FF



94A7FD

# Triad

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



33B5FF



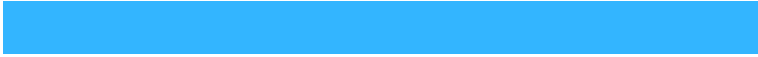
FD8993



7BBB70

# Complementary

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



33B5FF



FF7D33

# 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.



ACB157



33B5FF



F2946D

# Square

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



33B5FF



F38ABF



D5A356



35C198

# Rectangle

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



33B5FF



BE9CEF



D5A356



8CB866

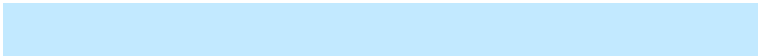


# Sweetspot

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



33B5FF



C2E9FF



33FF7A



5B7280



000000



808080

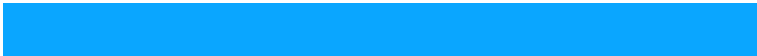


# Same Dimension

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



33B5FF



0AA6FF



3352FF



737B80



007ABF



002940



# Inverse Universe

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



FF33B5



FF0AA6



FFE033



80737B



BF007A



400029



# Previews

## White Background



This preview shows how the Hex color 33B5FF looks on a white background.

## Color Contrast Check

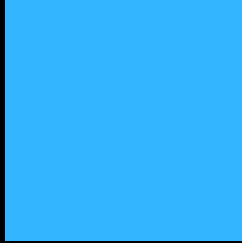
Large Text (above 18pt) WCAG AA × Fail

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 33B5FF 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

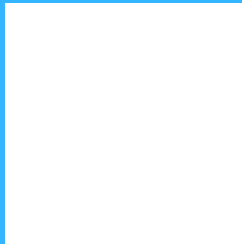
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 33B5FF Background



This preview shows how black text looks on a background with the Hex color 33B5FF.

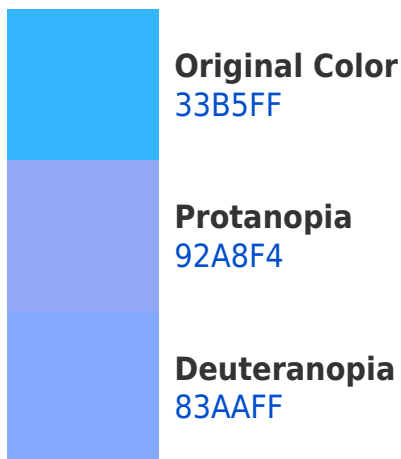


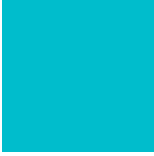
This preview shows how white text looks on a background with the Hex color 33B5FF.

# Color Blindness Simulation

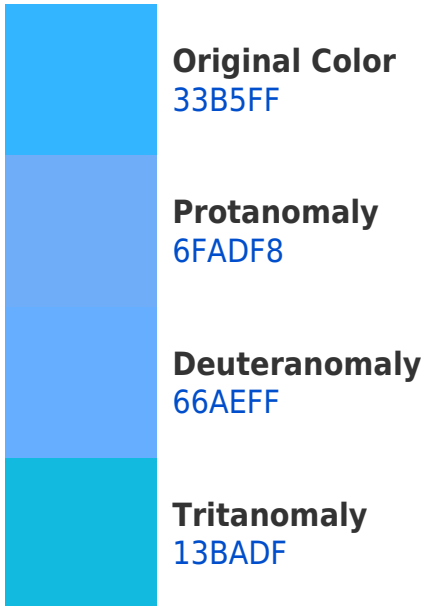
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

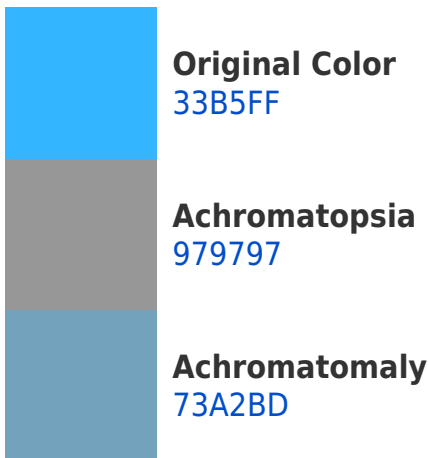




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33B5FF 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 #33B5FF looks like.

```
.text, #text, p{  
    color:#33B5FF  
}
```

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 #33B5FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33B5FF
}
```

## Border

The CSS property to change the border of an element to Hex 33B5FF 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
#33B5FF }
```

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

```
.border{ border-color:#33B5FF }
```

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

Here you see how a box with a 4 pixel #33B5FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33B5FF; -webkit-box-shadow:4px 4px  
4px 4px #33B5FF; box-shadow:4px 4px 4px  
4px #33B5FF }
```

# Background

The CSS property to change the background color of an element to Hex 33B5FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33B5FF }
```

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

```
.background{ background-color:#33B5FF }
```

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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