

# Converting Colors

Hex(33A6FD)

Have a look what the booklet for  
Hex(33A6FD) contains.

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# **Color**

**Hex(33A6FD)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	33A6FD
RGB	51, 166, 253
RGB Percent	20%, 65%, 99%
CMY	0.8000, 0.3490, 0.0078
CMYK	0.80, 0.34, 0.00, 0.01
HSL	206°, 98%, 60%
HSV	206°, 80%, 99%
XYZ	32.7311, 35.0681, 97.9722
YIQ	141.5330, -96.4670, 2.6770

# Conversions

## Conversions Part 2

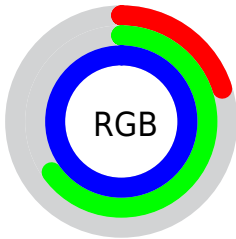
Format	Color
R <sub>Y</sub> B	51, 124, 253
Decimal	3385085
CIE Lab	65.80, -2.13, -52.05
CIE LCh	66, 52.089, 267.658
Yxy	35.0681, 0.1974, 0.2115
Android (android.graphics.Color)	4281575165 (0xFF33A6FD)
YUV	141.5330, 54.9532, -79.3974
Hunter-Lab	59.2183, -4.9717, -56.6380

# Details

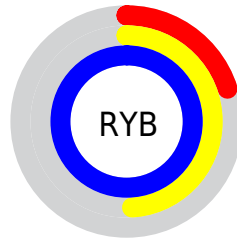
The Hex color **33A6FD** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **FD8A33**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **7FDDFF**, and **0073C4** is the 20% darker color. If you saturate the color by 10%, you get **1A9BFD**, and if you desaturate by 10%, it is **4CB1FD**.

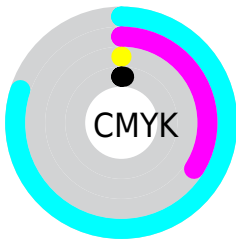
# Distribution



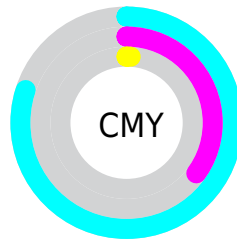
- Red (20%)
- Green (65%)
- Blue (99%)



- Red (20%)
- Yellow (49%)
- Blue (99%)



- Cyan (80%)
- Magenta (34%)
- Yellow (0%)
- Black (1%)



- Cyan (80%)
- Magenta (35%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33A6FD 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 33A6FD by changing the saturation by 10% instead.



 33A6FD

 33A6FD

FFFFFF

 008CE0

 7FDDFF

 0073C4

 A0F9FF

 005AA8

 BFFFFF

 00448D

 DFFFFFF

 002E73

FEFFFF

 001B5A

 000742

 00032B

 000115

■ 33A6FD

■ 33A6FD

■ 1A9BFD

■ 4CB1FD

■ 0090FD

■ 66BCFD

■ 7FC7FD

■ 98D2FD

■ B2DCFD

■ CBE7FD

■ E4F2FD

■ FDFDFD

FFFFFFD

# Harmonies

## Analogous

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



00B1EE



33A6FD



9C95F3

# Triad

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



33A6FD



F57B77



53B36C

# Complementary

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



33A6FD



FD8A33

# 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.



8FAA49



33A6FD



E18B51

# Square

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



33A6FD



F378A5



BE9C3E



00B79B

# Rectangle

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



33A6FD



C688DF



BE9C3E



6AB05E

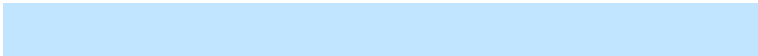


# Sweetspot

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



33A6FD



C2E5FF



33FD87



5B7080



000000



808080



# Same Dimension

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



33A6FD



0A96FF



3344FD



737A80



006DBF



002440



# Inverse Universe

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



FD33A6



FF0A96



FDEC33



80737A



BF006D



400024



# Previews

## White Background



This preview shows how the Hex color 33A6FD looks on a white background.

## Color Contrast Check

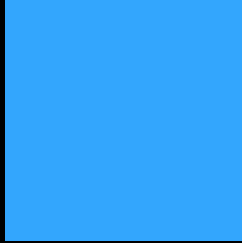
Large Text (above 18pt) WCAG AA × Fail

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 33A6FD looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

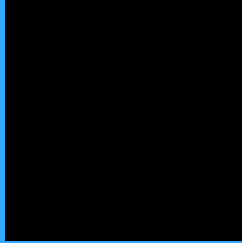
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

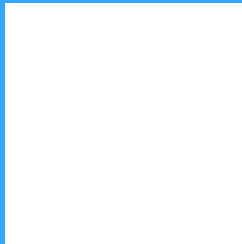
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 33A6FD Background



This preview shows how black text looks on a background with the Hex color 33A6FD.



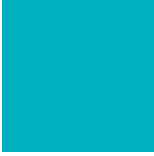
This preview shows how white text looks on a background with the Hex color 33A6FD.

# Color Blindness Simulation

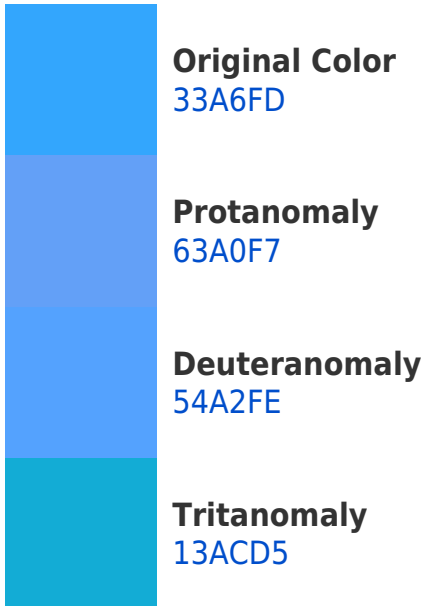
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33A6FD 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 #33A6FD looks like.

```
.text, #text, p{  
    color:#33A6FD  
}
```

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 #33A6FD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33A6FD
}
```

## Border

The CSS property to change the border of an element to Hex 33A6FD 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
#33A6FD }
```

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

```
.border{ border-color:#33A6FD }
```

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

Here you see how a box with a 4 pixel #33A6FD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33A6FD; -webkit-box-shadow:4px 4px  
4px 4px #33A6FD; box-shadow:4px 4px 4px  
4px #33A6FD }
```

# Background

The CSS property to change the background color of an element to Hex 33A6FD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33A6FD }
```

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

```
.background{ background-color:#33A6FD }
```

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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