# Converting Colors

Hex(33A6FF)

Have a look what the booklet for Hex(33A6FF) contains.

**Hex(33A6FF)** ..... 3
- ***Conversions*** ..... 4
- ***Details*** ..... 6
- ***Harmonies*** ..... 11
- ***Previews*** ..... 23
- ***Color Blindness Simulation*** ..... 26
- ***CSS Examples*** ..... 29

# Color

**Hex(33A6FF)**

# Conversions

Conversions Part 1

| Format | Color |
|---|---|
| Hex | 33A6FF |
| RGB | 51, 166, 255 |
| RGB Percent | 20%, 65%, 100% |
| CMY | 0.8000, 0.3490, 0.0000 |
| CMYK | 0.80, 0.35, 0.00, 0.00 |
| HSL | 206°, 100%, 60% |
| HSV | 206°, 80%, 100% |
| XYZ | 33.0515, 35.1962, 99.6593 |
| YIQ | 141.7610, -97.1090, 3.2990 |

# Conversions

Conversions Part 2

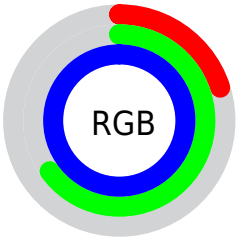
| Format | Color |
|---|---|
| RYB | 51, 125, 255 |
| Decimal | 3385087 |
| CIELab | 65.90, -1.42, -52.98 |
| CIELCh | 66, 52.995, 268.467 |
| Yxy | 35.1962, 0.1968, 0.2096 |
| Android (android.graphics.Color) | 4281575167 (0xFF33A6FF) |
| YUV | 141.7610, 55.8268, -79.5974 |
| Hunter-Lab | 59.3264, -4.3768, -58.0696 |

# Details

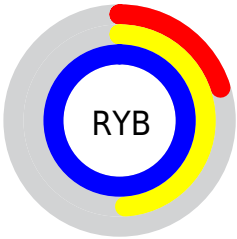
The Hex color 33A6FF is a light color, and the websafe version is hex 0099FF. The color can be described as light washed azure. A complement of this color would be FF8C33, and the grayscale version is 8D8D8D.

A 20% lighter version of the original color is 80DDFF, and 0073C6 is the 20% darker color. If you saturate the color by 10%, you get 199BFF, and if you desaturate by 10%, it is 4DB1FF.

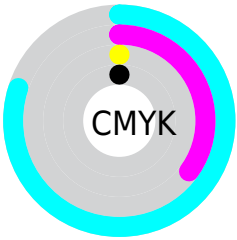
# Distribution



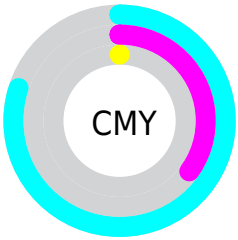

- Red (20%)
- Green (65%)
- Blue (100%)




- Red (20%)
- Yellow (49%)
- Blue (100%)




- Cyan (80%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (35%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33A6FF 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 33A6FF by changing the saturation by 10% instead.

33A6FF

FFFFFF

80DDFF

A0F9FF

C0FFFF

DFFFFF

33A6FF

008CE2

0073C6

005AAA

00448F

002E75

001B5C

000744

00032C

000117

33A6FF

199BFF

0090FF

33A6FF

4DB1FF

66BCFF

80C7FF

99D3FF

B3DEFF

CCE9FF

E6F4FF

FFFFFF

# Harmonies

## Analogous

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

00B2F0

33A6FF

9E95F4

# Triad

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

33A6FF

F67B75

4FB36C

# Complementary

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

33A6FF

FF8C33

# 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.

8EAB48

33A6FF

E28B4F

# Square

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

33A6FF

F577A5

BD9D3C

00B89C

# Rectangle

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

33A6FF

C888E0

BD9D3C

67B15E

# Sweetspot

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

33A6FF



C2E4FF

33FF8B

5B6F80

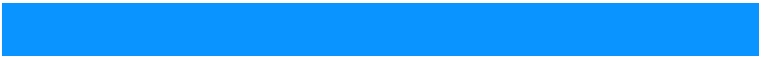
000000

808080

# Same Dimension

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

33A6FF



0A94FF

3341FF

737A80

006CBF

002440

# Inverse Universe

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

FF33A6

FF0A94



FFF133

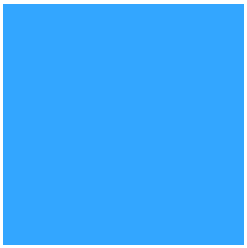
80737A

BF006C

400024

# Previews

## White Background

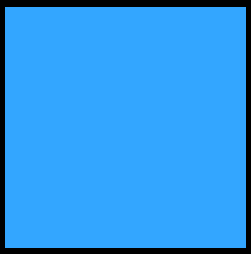


This preview shows how the Hex color 33A6FF looks on a white background.

### 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 33A6FF looks on a black background.

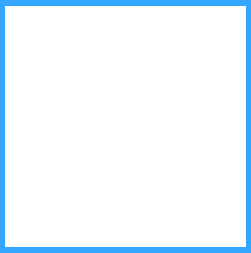
### Color Contrast Check

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 33A6FF Background

This preview shows how black text looks on a background with the Hex color 33A6FF.



This preview shows how white text looks on a background with the Hex color 33A6FF.

# 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

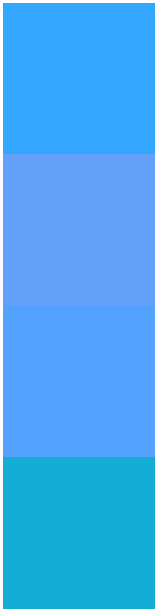
**Original Color**
33A6FF

**Protanopia**
7E9CF6

**Deuteranopia**
669FFF

**Tritanopia**
00B1BE

# Trichromacy



**Original Color**
33A6FF

**Protanomaly**
63A0F9

**Deuteranomaly**
53A2FF

**Tritanomaly**
13ADD6

# Monochromacy

**Original Color**
33A6FF

**Achromatopsia**
8E8E8E

**Achromatomaly**
6D97B7

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33A6FF 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 #33A6FF looks like.

```
.text, #text, p{
    color:#33A6FF
}
```

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 #33A6FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33A6FF
}
```

## Border

The CSS property to change the border of an element to Hex 33A6FF 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
#33A6FF }
```

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

```
.border{ border-color:#33A6FF }
```

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

Here you see how a box with a 4 pixel #33A6FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px #33A6FF; -webkit-box-shadow:4px 4px 4px 4px #33A6FF; box-shadow:4px 4px 4px 4px #33A6FF }
```

# Background

The CSS property to change the background color of an element to Hex 33A6FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:#33A6FF }
```

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

```
.background{ background-color:#33A6FF }
```

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.

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**Learn more, Memberships starting at $2.50/m!**

# Follow me on Twitter!

@ConvertingColor