

# Converting Colors

Hex(33FFBF)

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

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# Color

Hex(33FFBF)

# Conversions

## Conversions Part 1

Format	Color
Hex	33FFBF
RGB	51, 255, 191
RGB Percent	20%, 100%, 75%
CMY	0.8000, 0.0000, 0.2510
CMYK	0.80, 0.00, 0.25, 0.00
HSL	161°, 100%, 60%
HSV	161°, 80%, 100%
XYZ	46.5292, 75.9854, 61.5045
YIQ	186.7080, -101.0400, -63.1520

# Conversions

## Conversions Part 2

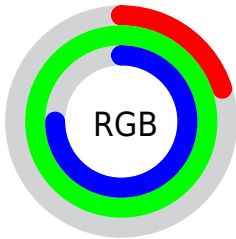
Format	Color
<a href="#">RYB</a>	<a href="#">51, 172, 255</a>
Decimal	<a href="#">3407807</a>
CIELab	<a href="#">89.85, -62.20, 17.18</a>
CIELCh	<a href="#">90, 64.526, 164.562</a>
Yxy	<a href="#">75.9854, 0.2528, 0.4129</a>
Android (android.graphics.Color)	<a href="#">4281597887</a> ( <a href="#">0xFF33FFBF</a> )
YUV	<a href="#">186.7080, 2.1160, -119.0159</a>
Hunter-Lab	<a href="#">87.1696, -57.2674, 19.1853</a>

# Details

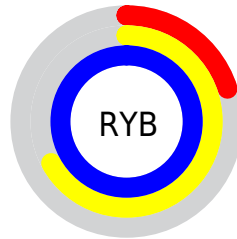
The Hex color **33FFBF** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **FF3373**, and the grayscale version is **BBBBBB**.

A 20% lighter version of the original color is **83FFF7**, and **00C589** is the 20% darker color. If you saturate the color by 10%, you get **19FFB7**, and if you desaturate by 10%, it is **4DFFC7**.

# Distribution



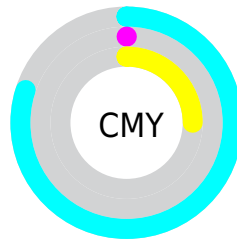
- Red (20%)
- Green (100%)
- Blue (75%)



- Red (20%)
- Yellow (67%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients

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



 33FFBF

FFFFFF

 83FFF7

 A4FFFF

 C4FFFF

 E4FFFF

 33FFBF

 00E2A4

 00C589

 00A970

 008D57

 007340

 005929

 003F14

 002800

 000000

 33FFBF

 33FFBF

 19FFB7

 4DFFC7

 00FFAF

 66FFCF

 80FFD7

 99FFDF

 B3FFE7

 CCFFE7

 E6FFF7

FFFFFF

# Harmonies

## Analogous

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



A4F787



33FFBF



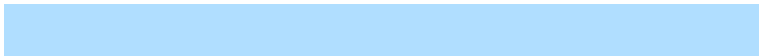
00FFFF

# Triad

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



33FFBF



B0DEFF



FFBD8E

# Complementary

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



33FFBF



FF3373

# 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.



FFAEC6



33FFBF



FFC6FF

# Square

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



33FFBF



00F2FF



FFB2FF



FFD369

# Rectangle

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



33FFBF



00FFFF



FFB2FF



FFB69F

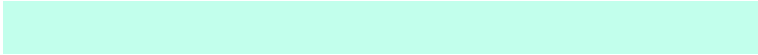


# Sweetspot

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



33FFBF



C2FFEC



74FF33



5B8074



000000



808080



# Same Dimension

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



33FFBF



0AFFB2



33DAFF



73807C



00BF83



00402C



# Inverse Universe

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



FF3373



FF0A57



FF5833



807377



BF003C

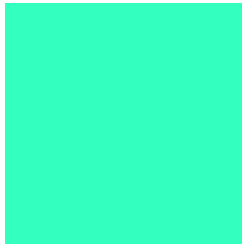


400014



# Previews

## White Background



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

## Color Contrast Check

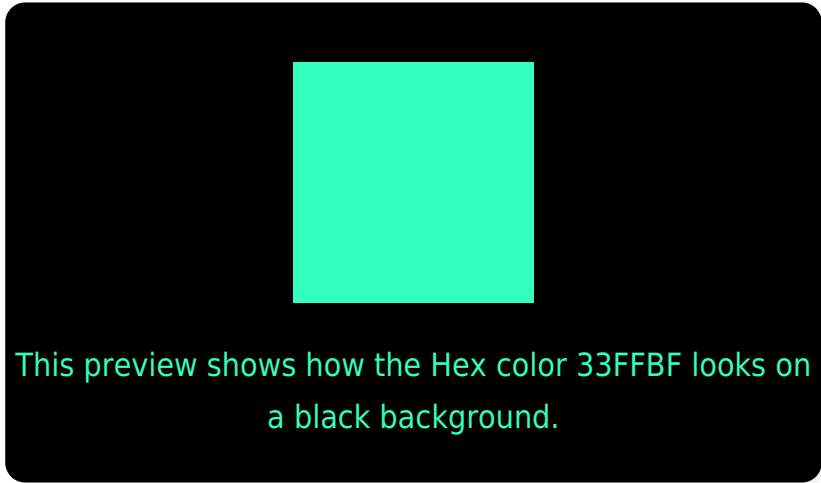
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

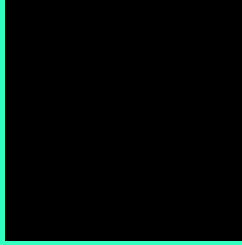
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 33FFBF Background



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

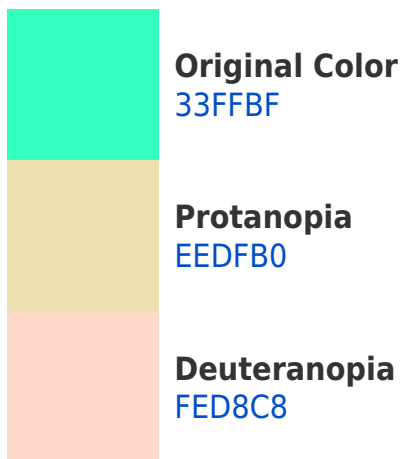


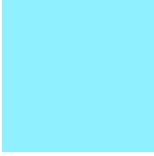
This preview shows how white text looks on a background with the Hex color 33FFBF.

# 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



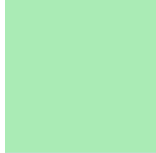


**Tritanopia**  
8FF0FF

# Trichromacy



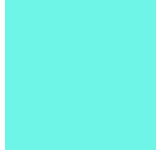
**Original Color**  
33FFBF



**Protanomaly**  
AAEBB5

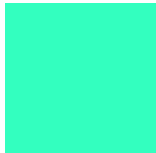


**Deuteranomaly**  
B4E6C5

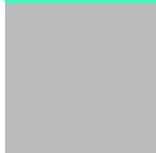


**Tritanomaly**  
6EF5E8

# Monochromacy



**Original Color**  
33FFBF



**Achromatopsia**  
BBBBBB



**Achromatomaly**  
8AD4BC

# CSS Examples

## Text

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

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

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 #33FFBF colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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