

Converting Colors

Hex(33FFBB)

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

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Color

Hex(33FFBB)

Conversions

Conversions Part 1

Format	Color
Hex	33FFBB
RGB	51, 255, 187
RGB Percent	20%, 100%, 73%
CMY	0.8000, 0.0000, 0.2667
CMYK	0.80, 0.00, 0.27, 0.00
HSL	160°, 100%, 60%
HSV	160°, 80%, 100%
XYZ	46.0949, 75.8117, 59.2174
YIQ	186.2520, -99.7560, -64.3960

Conversions

Conversions Part 2

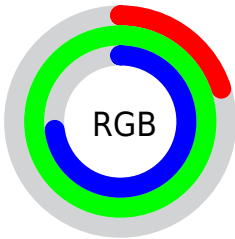
Format	Color
RYB	51, 173, 255
Decimal	3407803
CIELab	89.77, -63.08, 19.11
CIELCh	90, 65.912, 163.144
Yxy	75.8117, 0.2545, 0.4186
Android (android.graphics.Color)	4281597883 (0xFF33FFBB)
YUV	186.2520, 0.3688, -118.6160
Hunter-Lab	87.0699, -57.8743, 20.6250

Details

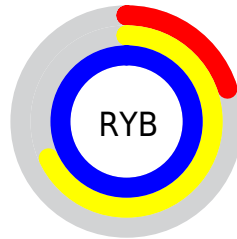
The Hex color **33FFBB** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **FF3377**, and the grayscale version is **BABABA**.

A 20% lighter version of the original color is **82FFF3**, and **00C586** is the 20% darker color. If you saturate the color by 10%, you get **19FFB2**, and if you desaturate by 10%, it is **4DFFC3**.

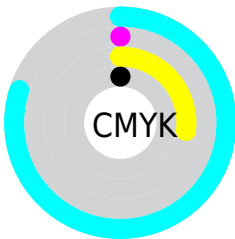
Distribution



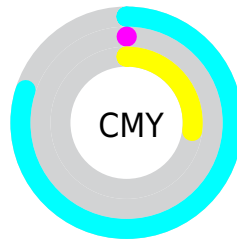
- Red (20%)
- Green (100%)
- Blue (73%)



- Red (20%)
- Yellow (68%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients

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

 33FFBB

 33FFBB

FFFFFF

 00E2A0

 82FFF3

 00C586

 A3FFFF

 00A96C

 C4FFFF

 008D54

 E3FFFF

 00733C

 005826

 003F11

 002700

 000000

 33FFBB

 33FFBB

 19FFB2

 4DFFC3

 00FFAA

 66FFCC

 80FFD4

 99FFDD

 B3FFE5

 CCFFEE

 E6FFF7

FFFFFF

Harmonies

Analogous

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



A6F682



33FFBB



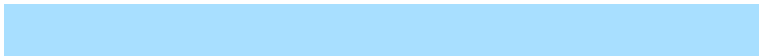
00FFFC

Triad

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



33FFBB



A8DFFF



FFBA8E

Complementary

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



33FFBB



FF3377

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.



FFACC8



33FFBB



FFC6FF

Square

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



33FFBB



00F2FF



FFB1FF



FFD267

Rectangle

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



33FFBB



00FFFF



FFB1FF



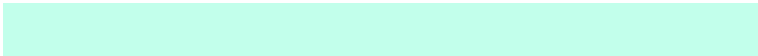
FFB4A0

Sweetspot

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



33FFBB



C2FFEB



77FF33



5B8073



000000



808080

Same Dimension

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



33FFBB



0AFFAD



33DDFF



73807B



00BF7F



00402A

Inverse Universe

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



FF3377



FF0A5C



FF5533



807377



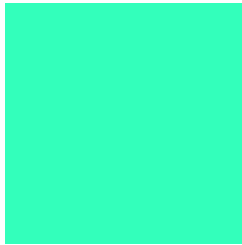
BF0040



400015

Previews

White Background



This preview shows how the Hex color 33FFBB 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 33FFBB looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

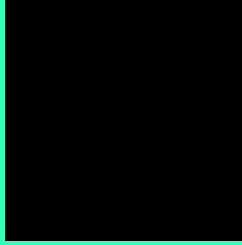
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

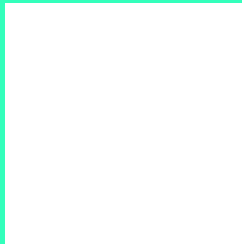
Any Text WCAG AAA ✓ Pass

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

Hex 33FFBB Background



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

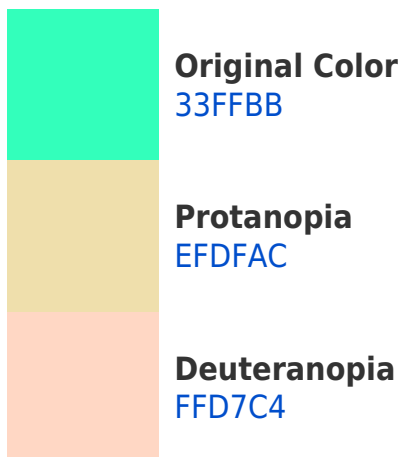


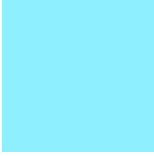
This preview shows how white text looks on a background with the Hex color 33FFBB.

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](#).

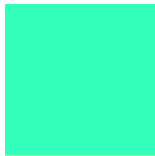
Dichromacy





Tritanopia
8EF0FF

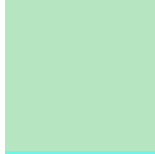
Trichromacy



Original Color
33FFBB



Protanomaly
ABEBB1



Deuteranomaly
B5E6C1

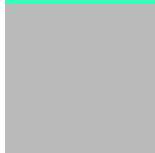


Tritanomaly
6DF5E6

Monochromacy



Original Color
33FFBB



Achromatopsia
BABABA



Achromatomaly
89D3BA

CSS Examples

Text

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

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

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 #33FFBB colored shadow looks like.

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

Border

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

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

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

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

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

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

Background

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

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

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

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

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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