

Converting Colors

Hex(B3FB33)

Have a look what the booklet for
Hex(B3FB33) contains.

Hex(B3FB33)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(B3FB33)

Conversions

Conversions Part 1

Format	Color
Hex	B3FB33
RGB	179, 251, 51
RGB Percent	70%, 98%, 20%
CMY	0.2980, 0.0157, 0.8000
CMYK	0.29, 0.00, 0.80, 0.02
HSL	82°, 96%, 59%
HSV	82°, 80%, 98%
XYZ	53.6851, 78.8171, 15.5157
YIQ	206.6720, 21.2880, -77.4640

Conversions

Conversions Part 2

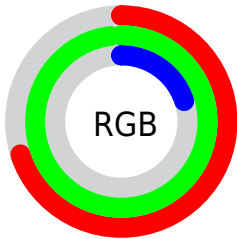
Format	Color
RYB	51, 251, 123
Decimal	11795251
CIELab	91.15, -48.55, 80.28
CIELCh	91, 93.819, 121.164
Yxy	78.8171, 0.3627, 0.5325
Android (android.graphics.Color)	4289985331 (0xFFB3FB33)
YUV	206.6720, -76.7463, -24.2683
Hunter-Lab	88.7790, -47.4233, 51.7833

Details

The Hex color **B3FB33** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **7B33FB**, and the grayscale version is **CFCFCF**.

A 20% lighter version of the original color is **FFFF73**, and **78C200** is the 20% darker color. If you saturate the color by 10%, you get **AAFB1A**, and if you desaturate by 10%, it is **BCFB4C**.

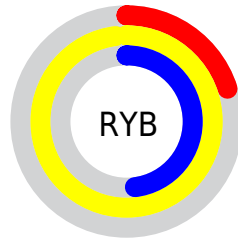
Distribution



Red (70%)

Green (98%)

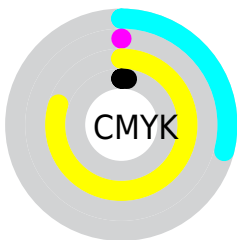
Blue (20%)



Red (20%)

Yellow (98%)

Blue (48%)

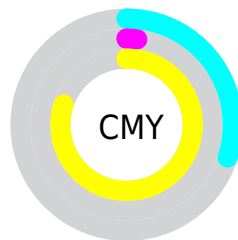


Cyan (29%)

Magenta (0%)

Yellow (80%)

Black (2%)



Cyan (30%)

Magenta (2%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color B3FB33 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 B3FB33 by changing the saturation by 10% instead.

 B3FB33

 B3FB33

FFFFFF

 95DE00

 EFFF73

 78C200

 FFFF90

 5AA700

 FFFFAD

 3B8C00

 FFFF90

 147200

 FFFF90

 005800

 004000

 002B00

 000800

 B3FB33

 B3FB33

 AAFB1A

 BCFB4C

 A1FB01

 C5FB65

 A1FB00

 CEFB7E

 D7FB97

 E0FBB1

 E9FBCA

 F2FBE3

 FBFBFC

 FFFBFF

Harmonies

Analogous

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



FFE300



B3FB33



00FF8A

Triad

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



B3FB33



00FFFF



FF89E6

Complementary

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



B3FB33



7B33FB

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.



FFA2FF



B3FB33



00EFFF

Square

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



B3FB33



00FFFF



E7CCFF



FF998E

Rectangle

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



B3FB33



00FFC7



E7CCFF



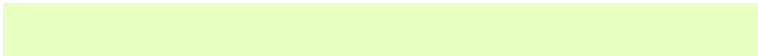
FF8DFF

Sweetspot

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



B3FB33



E9FFC2



FB7933



72805B



000000



808080

Same Dimension

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



B3FB33



A7FF0A



51FB33



787D70



79BD00



273D00

Inverse Universe

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



7B33FB



620AFF



DD33FB



75707D



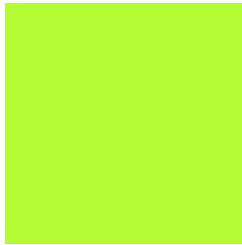
4400BD



16003D

Previews

White Background



This preview shows how the Hex color B3FB33 looks on a white background.

Color Contrast Check

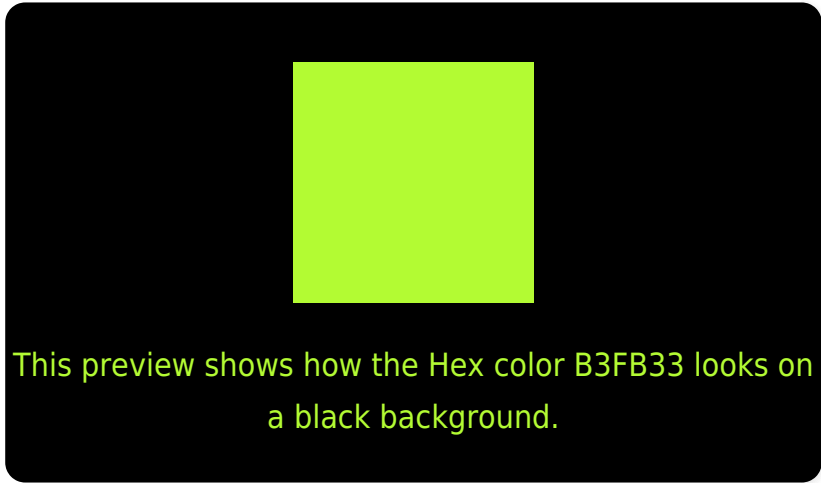
Large Text (above 18pt) WCAG AA × Fail

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

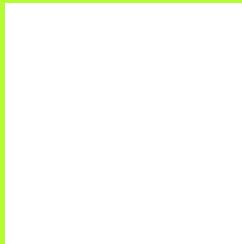
Any Text WCAG AAA ✓ Pass

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

Hex B3FB33 Background



This preview shows how black text looks on a background with the Hex color B3FB33.

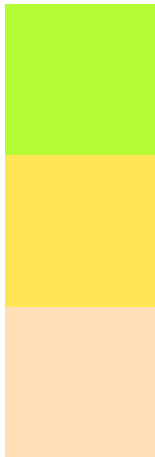


This preview shows how white text looks on a background with the Hex color B3FB33.

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
B3FB33

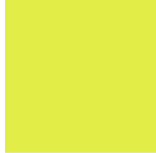
Protanopia
FFE554

Deuteranopia
FFE0B6

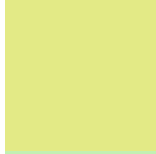
Trichromacy



Original Color
B3FB33



Protanomaly
E3ED48

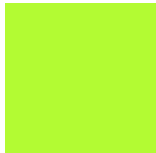


Deuteranomaly
E3EA86

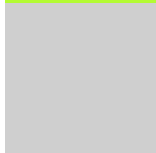


Tritanomaly
C2F0B3

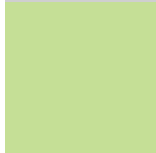
Monochromacy



Original Color
B3FB33



Achromatopsia
CFCFCF



Achromatomaly
C5DF96

CSS Examples

Text

The CSS property to change the color of the text to Hex B3FB33 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 #B3FB33 looks like.

```
.text, #text, p{  
    color:#B3FB33  
}
```

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 #B3FB33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B3FB33
}
```

Border

The CSS property to change the border of an element to Hex B3FB33 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
#B3FB33 }
```

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

```
.border{ border-color:#B3FB33 }
```

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

Here you see how a box with a 4 pixel #B3FB33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B3FB33; -webkit-box-shadow:4px 4px  
4px 4px #B3FB33; box-shadow:4px 4px 4px  
4px #B3FB33 }
```

Background

The CSS property to change the background color of an element to Hex B3FB33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B3FB33 }
```

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

```
.background{ background-color:#B3FB33 }
```

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