

Converting Colors

Hex(B0FF31)

Have a look what the booklet for
Hex(B0FF31) contains.

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Color

Hex(**B0FF31**)

Conversions

Conversions Part 1

Format	Color
Hex	B0FF31
RGB	176, 255, 49
RGB Percent	69%, 100%, 19%
CMY	0.3098, 0.0000, 0.8078
CMYK	0.31, 0.00, 0.81, 0.00
HSL	83°, 100%, 60%
HSV	83°, 81%, 100%
XYZ	54.2189, 80.9719, 15.6772
YIQ	207.8950, 19.0420, -80.8140

Conversions

Conversions Part 2

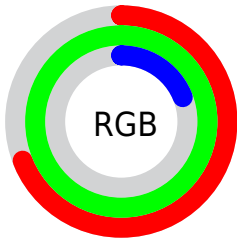
Format	Color
RYB	49, 255, 128
Decimal	11599665
CIELab	92.12, -51.36, 81.59
CIELCh	92, 96.405, 122.189
Yxy	80.9719, 0.3594, 0.5367
Android (android.graphics.Color)	4289789745 (0xFFB0FF31)
YUV	207.8950, -78.3352, -27.9719
Hunter-Lab	89.9844, -49.9199, 52.6594

Details

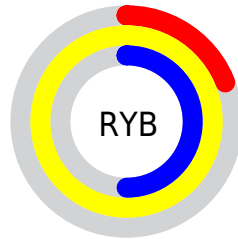
The Hex color **B0FF31** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **8031FF**, and the grayscale version is **D1D1D1**.

A 20% lighter version of the original color is **ECFF72**, and **74C600** is the 20% darker color. If you saturate the color by 10%, you get **A6FF18**, and if you desaturate by 10%, it is **BAFF4B**.

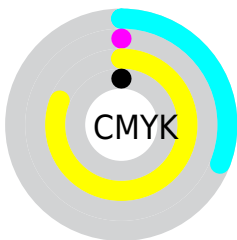
Distribution



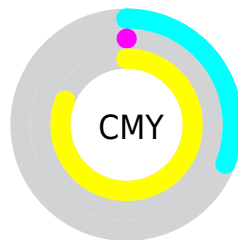
- Red (69%)
- Green (100%)
- Blue (19%)



- Red (19%)
- Yellow (100%)
- Blue (50%)



- Cyan (31%)
- Magenta (0%)
- Yellow (81%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color B0FF31 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 B0FF31 by changing the saturation by 10% instead.

 B0FF31

 B0FF31

FFFFFF

 92E200

 ECFF72

 74C600

 FFFF8F

 56AA00

 FFFFAD

 358F00

 FFFFCA

 047500

 FFFF8E

 005C00

 004300

 002D00

 000E00

 B0FF31

 B0FF31

 A6FF18

 BAFF4B

 9DFF00

 C4FF64

 CDFF7E

 D7FF97

 E1FFB1

 EBFFCA

 F4FFE4

FEFFFD

FFFFFF

Harmonies

Analogous

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



FFE600



B0FF31



00FF8D

Triad

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



B0FF31



00FFFF



FF87E6

Complementary

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



B0FF31



8031FF

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.



FFA1FF



B0FF31



00F1FF

Square

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



B0FF31



00FFFF



EFCDFE



FF9A8B

Rectangle

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



B0FF31



00FFCC



EFCDFE



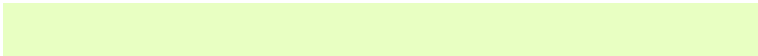
FF8BFF

Sweetspot

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



B0FF31



E8FFC2



FF8031



71805B



000000



808080

Same Dimension

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



B0FF31



A0FF08



49FF31



7B8073



76BF00



274000

Inverse Universe

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



8031FF



6708FF



E731FF



787380



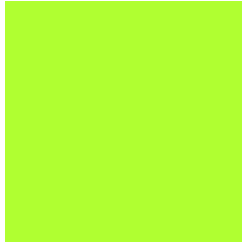
4900BF



180040

Previews

White Background



This preview shows how the Hex color B0FF31 looks on a white background.

Color Contrast Check

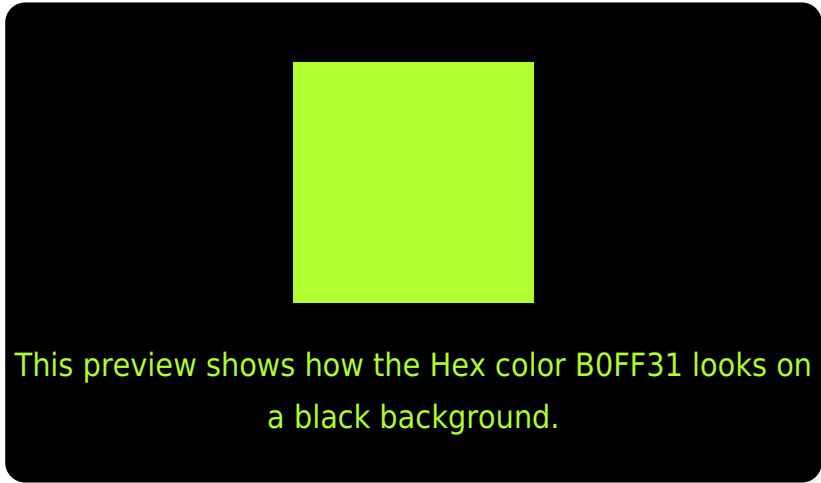
Large Text (above 18pt) WCAG AA × Fail

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

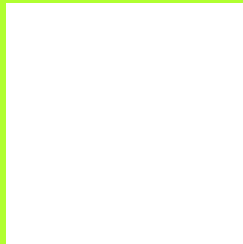
Any Text WCAG AAA ✓ Pass

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

Hex B0FF31 Background



This preview shows how black text looks on a background with the Hex color B0FF31.

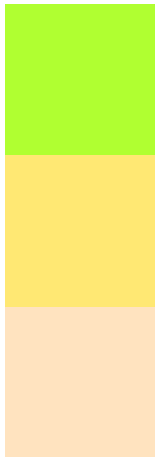


This preview shows how white text looks on a background with the Hex color B0FF31.

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

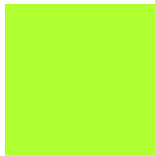


Original Color
B0FF31

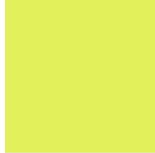
Protanopia
FFE873

Deuteranopia
FFE3BF

Trichromacy



Original Color
B0FF31



Protanomaly
E2F05B



Deuteranomaly
E2ED8B

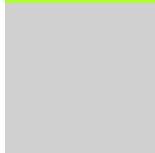


Tritanomaly
C1F4B4

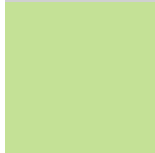
Monochromacy



Original Color
B0FF31



Achromatopsia
D0D0D0



Achromatomaly
C4E196

CSS Examples

Text

The CSS property to change the color of the text to Hex B0FF31 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 #B0FF31 looks like.

```
.text, #text, p{  
    color:#B0FF31  
}
```

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 #B0FF31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B0FF31
}
```

Border

The CSS property to change the border of an element to Hex B0FF31 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
#B0FF31 }
```

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

```
.border{ border-color:#B0FF31 }
```

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

Here you see how a box with a 4 pixel #B0FF31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B0FF31; -webkit-box-shadow:4px 4px  
4px 4px #B0FF31; box-shadow:4px 4px 4px  
4px #B0FF31 }
```

Background

The CSS property to change the background color of an element to Hex B0FF31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B0FF31 }
```

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

```
.background{ background-color:#B0FF31 }
```

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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