

# Converting Colors

Hex(B7FF70)

Have a look what the booklet for  
Hex(B7FF70) contains.

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# Color

Hex(**B7FF70**)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B7FF70
RGB	183, 255, 112
RGB Percent	72%, 100%, 44%
CMY	0.2824, 0.0000, 0.5608
CMYK	0.28, 0.00, 0.56, 0.00
HSL	90°, 100%, 72%
HSV	90°, 56%, 100%
XYZ	58.2131, 82.7571, 28.2348
YIQ	217.1700, 2.9910, -59.7370

# Conversions

## Conversions Part 2

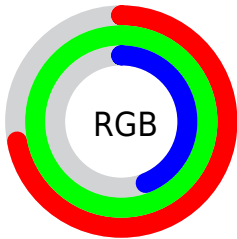
Format	Color
<a href="#">RYB</a>	<a href="#">112, 255, 184</a>
Decimal	<a href="#">12058480</a>
CIELab	<a href="#">92.91, -44.81, 60.23</a>
CIElCh	<a href="#">93, 75.077, 126.649</a>
Yxy	<a href="#">82.7571, 0.3440, 0.4891</a>
Android (android.graphics.Color)	<a href="#">4290248560 (0xFFB7FF70)</a>
YUV	<a href="#">217.1700, -51.8488, -29.9671</a>
Hunter-Lab	<a href="#">90.9709, -44.9755, 45.2777</a>

# Details

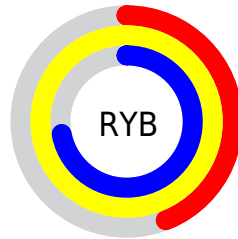
The Hex color **B7FF70** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **B870FF**, and the grayscale version is **DADADA**.

A 20% lighter version of the original color is **F2FFA7**, and **7EC639** is the 20% darker color. If you saturate the color by 10%, you get **AAFF57**, and if you desaturate by 10%, it is **C4FF8A**.

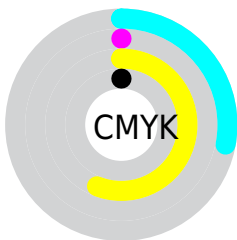
# Distribution



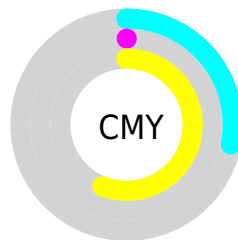
- Red (72%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (72%)



- Cyan (28%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)



- Cyan (28%)
- Magenta (0%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B7FF70 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 B7FF70 by changing the saturation by 10% instead.



 B7FF70

 B7FF70

FFFFFF

 9AE255

 F2FFA7

 7EC639

 FFFFC4

 62AA18

 FFFFE1

 458F00

FFFFFFE

 267500

 005C00

 004400

 002D00

 001200

 B7FF70

 B7FF70

 AAFF57

 C4FF8A

 9DFF3D

 D1FFA3

 90FF23

 DEFFBD

 84FF0A

 EAFFD6

 7FFF00

 F7FFF0

FFFFFF

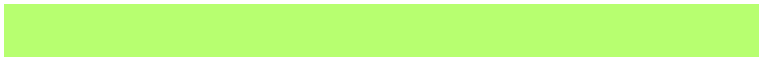
# Harmonies

## Analogous

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



FFEC51



B7FF70



3BFFAF

# Triad

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



B7FF70



00FFFF



FFA9DD

# Complementary

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



B7FF70



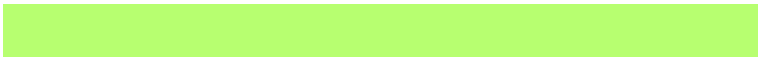
B870FF

# 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.



FFB5FF



B7FF70



7AEDFF

# Square

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



B7FF70



00FFFF



FFD1FF



FFB798

# Rectangle

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



B7FF70



00FFE0



FFD1FF



FFAAF6

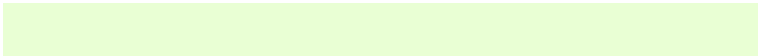


# Sweetspot

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



B7FF70



E9FFD4



FFB870



738066



000000

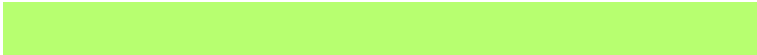


808080



# Same Dimension

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



B7FF70



A9FF54



70FF70



798073



5FBF00



204000



# Inverse Universe

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



B870FF



AA54FF



FF70FF



797380



6000BF

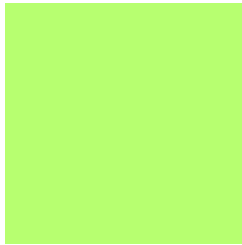


200040



# Previews

## White Background



This preview shows how the Hex color B7FF70 looks on a white background.

## Color Contrast Check

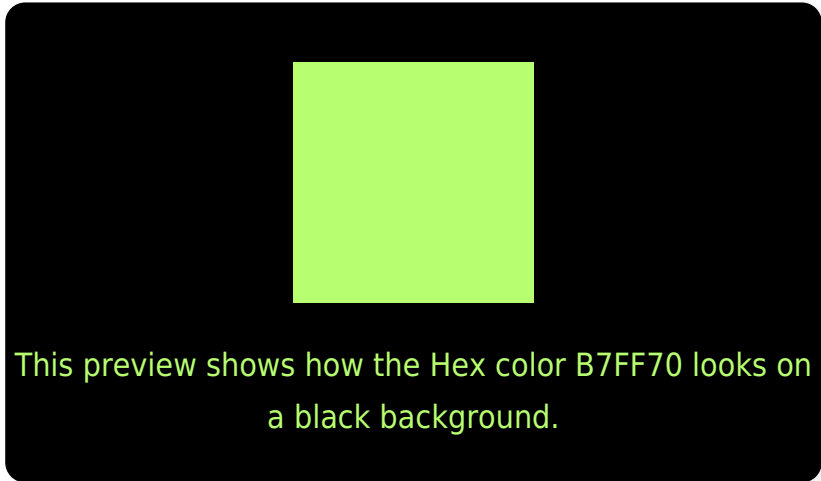
Large Text (above 18pt) WCAG AA × Fail

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

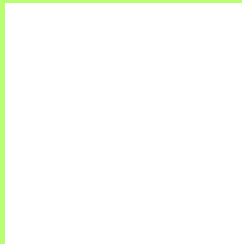
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex B7FF70 Background



This preview shows how black text looks on a background with the Hex color B7FF70.

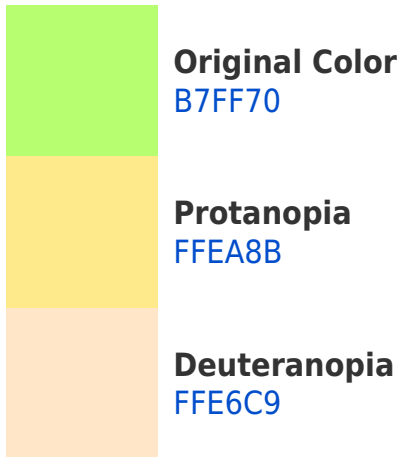


This preview shows how white text looks on a background with the Hex color B7FF70.

# 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



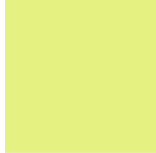


**Tritanopia**  
D1EFFF

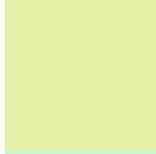
# Trichromacy



**Original Color**  
B7FF70



**Protanomaly**  
E5F281



**Deuteranomaly**  
E5EFA9

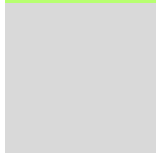


**Tritanomaly**  
C8F5CB

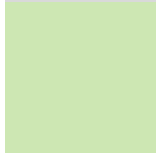
# Monochromacy



**Original Color**  
B7FF70



**Achromatopsia**  
D9D9D9



**Achromatomaly**  
CDE7B3

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B7FF70 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 #B7FF70 looks like.

```
.text, #text, p{  
    color:#B7FF70  
}
```

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 #B7FF70 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B7FF70
}
```

## Border

The CSS property to change the border of an element to Hex B7FF70 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
#B7FF70 }
```

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

```
.border{ border-color:#B7FF70 }
```

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

Here you see how a box with a 4 pixel #B7FF70 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B7FF70; -webkit-box-shadow:4px 4px  
4px 4px #B7FF70; box-shadow:4px 4px 4px  
4px #B7FF70 }
```

# Background

The CSS property to change the background color of an element to Hex B7FF70 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B7FF70 }
```

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

```
.background{ background-color:#B7FF70 }
```

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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