

# Converting Colors

Hex(B7F80D)

Have a look what the booklet for  
Hex(B7F80D) contains.

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**Color**

**Hex(B7F80D)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | B7F80D                      |
| RGB         | 183, 248, 13                |
| RGB Percent | 72%, 97%, 5%                |
| CMY         | 0.2824, 0.0275, 0.9490      |
| CMYK        | 0.26, 0.00, 0.95, 0.03      |
| HSL         | 77°, 94%, 51%               |
| HSV         | 77°, 95%, 97%               |
| XYZ         | 53.1685, 77.2311, 12.4856   |
| YIQ         | 201.7750, 36.6950, -86.8650 |

# Conversions

## Conversions Part 2

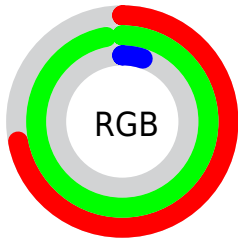
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">13, 248, 78</a>                                  |
| Decimal                             | <a href="#">12056589</a>                                     |
| CIELab                              | <a href="#">90.43, -46.76, 86.33</a>                         |
| CIElCh                              | <a href="#">90, 98.182, 118.443</a>                          |
| Yxy                                 | <a href="#">77.2311, 0.3721, 0.5405</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4290246669</a><br>( <a href="#">0xFFB7F80D</a> ) |
| YUV                                 | <a href="#">201.7750, -93.0661, -16.4657</a>                 |
| Hunter-Lab                          | <a href="#">87.8813, -45.7990, 53.0933</a>                   |

# Details

The Hex color **B7F80D** is a dark color, and the websafe version is hex **CCFF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **4E0DF8**, and the grayscale version is **CBCBCB**.

A 20% lighter version of the original color is **F4FF60**, and **7BBF00** is the 20% darker color. If you saturate the color by 10%, you get **B3F800**, and if you desaturate by 10%, it is **BEF826**.

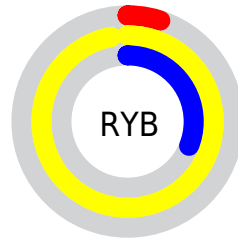
# Distribution



Red (72%)

Green (97%)

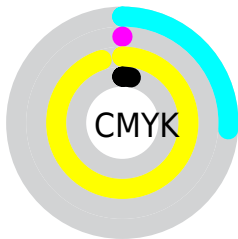
Blue (5%)



Red (5%)

Yellow (97%)

Blue (31%)

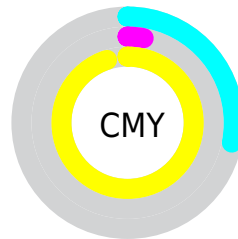


Cyan (26%)

Magenta (0%)

Yellow (95%)

Black (3%)



Cyan (28%)

Magenta (3%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B7F80D 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 B7F80D by changing the saturation by 10% instead.



 B7F80D

 B7F80D

FFFFFF

 99DB00

 F4FF60

 7BBF00

 FFFF7E

 5DA400

 FFFF9C

 3F8900

 FFFFBA

 196F00

 FFFFD8

 005600

 FFFFF6

 003E00

 002900

 000300

 B7F80D

 B7F80D

 B3F800

 BEF826

 C5F83F

 CCF857

 D2F870

 D9F889

 E0F8A2

 E7F8BB

 EEF8D3

 F5F8EC

# Harmonies

## Analogous

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



FFDE00



B7F80D



00FF7B

# Triad

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



B7F80D



00FFFF



FF7FED

# Complementary

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



B7F80D



4E0DF8

# 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.



FF9FFF



B7F80D



00F1FF

# Square

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



B7F80D



00FFFF



D5CDFF



FF8E90

# Rectangle

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



B7F80D



00FFBB



D5CDFF



FF86FF



# Sweetspot

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



B7F80D



EBFFB8



F84C0D



748054



000000



808080



# Same Dimension

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



B7F80D



B8FF00



44F80D



797D70



89BD00



2C3D00



# Inverse Universe

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



4E0DF8



4700FF



C10DF8



74707D



3400BD

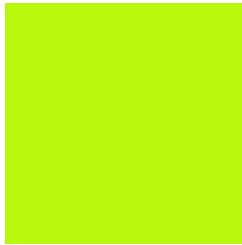


11003D



# Previews

## White Background



This preview shows how the Hex color B7F80D looks on a white background.

## Color Contrast Check

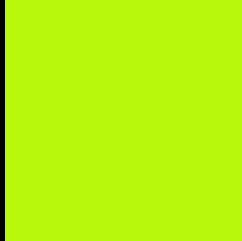
Large Text (above 18pt) WCAG AA × Fail

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 B7F80D 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 B7F80D Background



This preview shows how black text looks on a background with the Hex color B7F80D.

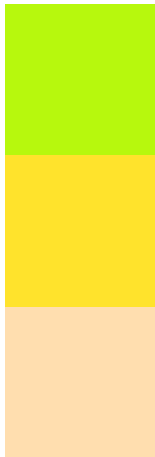


This preview shows how white text looks on a background with the Hex color B7F80D.

# 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**  
B7F80D

**Protanopia**  
FFE32C

**Deuteranopia**  
FFDEAF



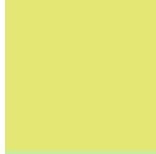
# Trichromacy



**Original Color**  
B7F80D



**Protanomaly**  
E5EB21

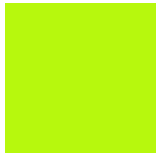


**Deuteranomaly**  
E5E774

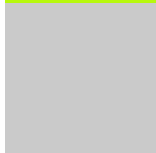


**Tritanomaly**  
C6EDA3

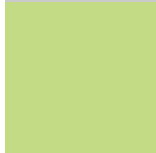
# Monochromacy



**Original Color**  
B7F80D



**Achromatopsia**  
CACACA



**Achromatomaly**  
C3DB85

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B7F80D 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 #B7F80D looks like.

```
.text, #text, p{  
    color:#B7F80D  
}
```

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 #B7F80D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B7F80D
}
```

## Border

The CSS property to change the border of an element to Hex B7F80D 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
#B7F80D }
```

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

```
.border{ border-color:#B7F80D }
```

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

Here you see how a box with a 4 pixel #B7F80D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B7F80D; -webkit-box-shadow:4px 4px  
4px 4px #B7F80D; box-shadow:4px 4px 4px  
4px #B7F80D }
```

# Background

The CSS property to change the background color of an element to Hex B7F80D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B7F80D }
```

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

```
.background{ background-color:#B7F80D }
```

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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