

Converting Colors

Hex(1BDF77)

Have a look what the booklet for
Hex(1BDF77) contains.

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Color

Hex(1BDF77)

Conversions

Conversions Part 1

Format	Color
Hex	1BDF77
RGB	27, 223, 119
RGB Percent	11%, 87%, 47%
CMY	0.8941, 0.1255, 0.5333
CMYK	0.88, 0.00, 0.47, 0.13
HSL	148°, 78%, 49%
HSV	148°, 88%, 87%
XYZ	30.1694, 54.3403, 26.3514
YIQ	152.5400, -83.4320, -73.8960

Conversions

Conversions Part 2

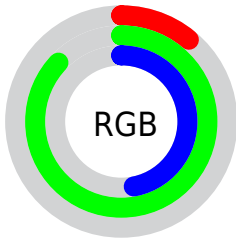
Format	Color
RYB	27, 160, 223
Decimal	1826679
CIELab	78.66, -66.94, 38.57
CIELCh	79, 77.260, 150.051
Yxy	54.3403, 0.2721, 0.4902
Android (android.graphics.Color)	4280016759 (0xFF1BDF77)
YUV	152.5400, -16.5352, -110.0986
Hunter-Lab	73.7159, -55.9486, 30.4066

Details

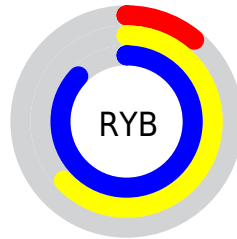
The Hex color **1BDF77** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **DF1B83**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **71FFAD**, and **00A644** is the 20% darker color. If you saturate the color by 10%, you get **05DF6B**, and if you desaturate by 10%, it is **31DF83**.

Distribution



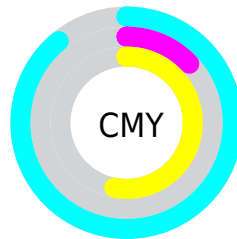
- Red (11%)
- Green (87%)
- Blue (47%)



- Red (11%)
- Yellow (63%)
- Blue (87%)



- Cyan (88%)
- Magenta (0%)
- Yellow (47%)
- Black (13%)



- Cyan (89%)
- Magenta (13%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1BDF77 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 1BDF77 by changing the saturation by 10% instead.

 1BDF77

 1BDF77

FFFFFF

 00C25D

 71FFAD

 00A644

 91FFC8

 008B2B

 B1FFE5

 007011

 D0FFFF

 005600

 EFFFFFFF

 003D00

 002400

 000000

 1BDF77

 1BDF77

05DF6B

31DF83

00DF69

48DF8F

5EDF9A

74DFA6

8BDFB2

A1DFBE

B7DFCA

CDDFD6

E4DFE1

Harmonies

Analogous

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



9FD338



1BDF77



00E4C1

Triad

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



1BDF77



00CBFF



FF877F

Complementary

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



1BDF77



DF1B83

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.



FF7CC6



1BDF77



C1AFFF

Square

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



1BDF77



00DCFF



FF8FFF



FFA342

Rectangle

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



1BDF77



00E5F2



FF8FFF



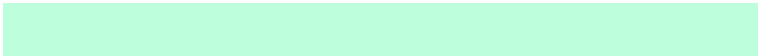
FF8096

Sweetspot

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



1BDF77



BDFADC



84DF1B



58806B



000000



808080

Same Dimension

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



1BDF77



00FF78



1BDFD8



65706A



00B053



003017

Inverse Universe

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



DF1B83



FF0087



DF1B22



70656B



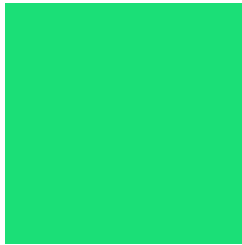
B0005D



30001A

Previews

White Background



This preview shows how the Hex color 1BDF77 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 1BDF77 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

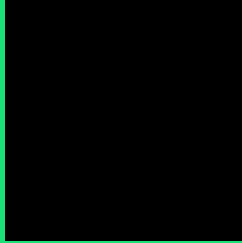
Any Text WCAG AA ✓ Pass

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 1BDF77 Background



This preview shows how black text looks on a background with the Hex color 1BDF77.

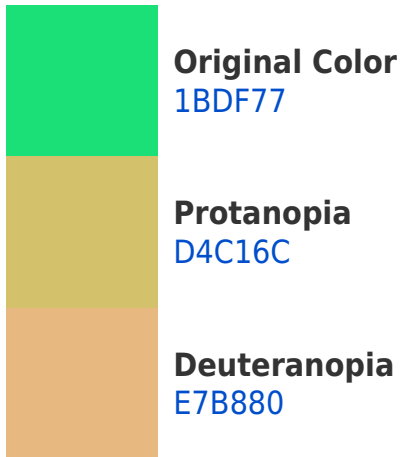


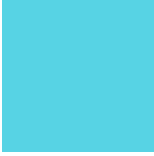
This preview shows how white text looks on a background with the Hex color 1BDF77.

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
57D3E4

Trichromacy



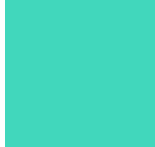
Original Color
1BDF77



Protanomaly
91CC70



Deuteranomaly
9DC67D



Tritanomaly
41D7BC

Monochromacy



Original Color
1BDF77



Achromatopsia
999999



Achromatomaly
6BB28D

CSS Examples

Text

The CSS property to change the color of the text to Hex 1BDF77 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 #1BDF77 looks like.

```
.text, #text, p{  
    color:#1BDF77  
}
```

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 #1BDF77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1BDF77
}
```

Border

The CSS property to change the border of an element to Hex 1BDF77 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
#1BDF77 }
```

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

```
.border{ border-color:#1BDF77 }
```

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

Here you see how a box with a 4 pixel #1BDF77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1BDF77; -webkit-box-shadow:4px 4px  
4px 4px #1BDF77; box-shadow:4px 4px 4px  
4px #1BDF77 }
```

Background

The CSS property to change the background color of an element to Hex 1BDF77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1BDF77 }
```

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

```
.background{ background-color:#1BDF77 }
```

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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