

Converting Colors

Hex(1BE42F)

Have a look what the booklet for
Hex(1BE42F) contains.

Hex(1BE42F)	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(1BE42F)

Conversions

Conversions Part 1

Format	Color
Hex	1BE42F
RGB	27, 228, 47
RGB Percent	11%, 89%, 18%
CMY	0.8941, 0.1059, 0.8157
CMYK	0.88, 0.00, 0.79, 0.11
HSL	126°, 79%, 50%
HSV	126°, 88%, 89%
XYZ	28.7085, 55.9251, 11.9708
YIQ	147.2670, -61.6950, -98.9030

Conversions

Conversions Part 2

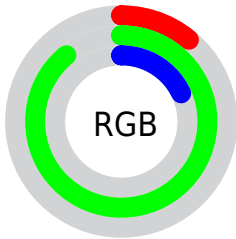
Format	Color
R_{YB}	27, 210, 228
Decimal	1827887
CIE Lab	79.57, -76.47, 68.97
CIE LCh	80, 102.975, 137.953
Yxy	55.9251, 0.2972, 0.5789
Android (android.graphics.Color)	4280017967 (0xFF1BE42F)
YUV	147.2670, -49.4316, -105.4742
Hunter-Lab	74.7831, -62.3459, 42.8573

Details

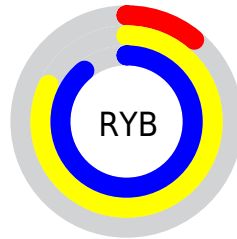
The Hex color **1BE42F** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **E41BD0**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **75FF6B**, and **00AB00** is the 20% darker color. If you saturate the color by 10%, you get **04E41A**, and if you desaturate by 10%, it is **32E444**.

Distribution



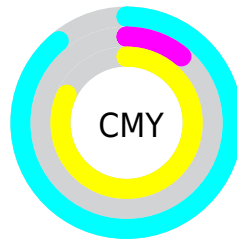
- Red (11%)
- Green (89%)
- Blue (18%)



- Red (11%)
- Yellow (82%)
- Blue (89%)



- Cyan (88%)
- Magenta (0%)
- Yellow (79%)
- Black (11%)



- Cyan (89%)
- Magenta (11%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1BE42F 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 1BE42F by changing the saturation by 10% instead.

 1BE42F

 1BE42F

FFFFFF

 00C700

 75FF6B

 00AB00

 96FF88

 008F00

 B7FFA4

 007400

 D6FFC1

 005900

 F6FFDF

 004100

FFFFFFC

 002700

 000000

 1BE42F

 1BE42F

 04E41A

 32E444

 00E417

 49E458

 5FE46D

 76E481

 8DE496

 A4E4AA

 BBE4BF

 D1E4D3

 E8E4E8

Harmonies

Analogous

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



B7D200



1BE42F



00ED9A

Triad

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



1BE42F



00DCFF



FF5390

Complementary

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



1BE42F



E41BD0

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.



FF56F0



1BE42F



46BDFF

Square

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



1BE42F



00EBFF



FF8CFF



FF8532

Rectangle

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



1BE42F



00EFDD



FF8CFF



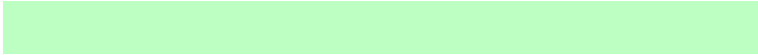
FF4AB0

Sweetspot

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



1BE42F



BDFFC3



D3E41B



58805C



000000



808080

Same Dimension

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



1BE42F



00FF19



1BE490



677368



00B312



003305

Inverse Universe

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



E41BD0



FF00E6



E41B6F



736772



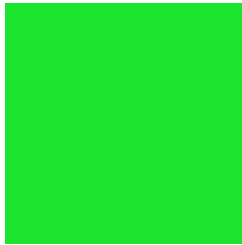
B300A1



33002E

Previews

White Background



This preview shows how the Hex color 1BE42F looks on a white background.

Color Contrast Check

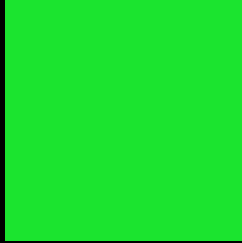
Large Text (above 18pt) WCAG AA × Fail

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 1BE42F 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 1BE42F Background



This preview shows how black text looks on a background with the Hex color 1BE42F.

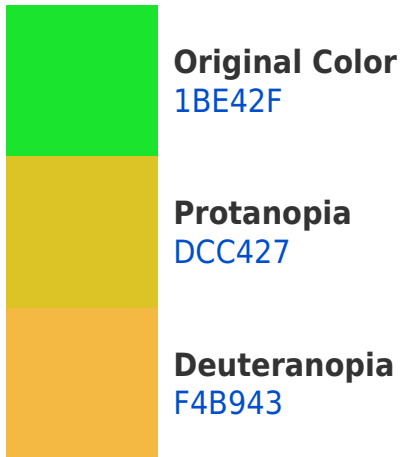


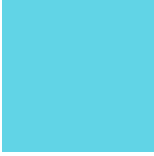
This preview shows how white text looks on a background with the Hex color 1BE42F.

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](#).

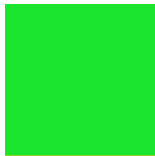
Dichromacy





Tritanopia
61D4E6

Trichromacy



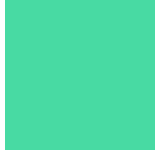
Original Color
1BE42F



Protanomaly
96D02A

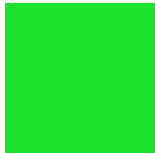


Deuteranomaly
A5C93C



Tritanomaly
48DAA3

Monochromacy



Original Color
1BE42F



Achromatopsia
939393



Achromatomaly
67B06F

CSS Examples

Text

The CSS property to change the color of the text to Hex 1BE42F 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 #1BE42F looks like.

```
.text, #text, p{  
    color:#1BE42F  
}
```

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 #1BE42F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1BE42F
}
```

Border

The CSS property to change the border of an element to Hex 1BE42F 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
#1BE42F }
```

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

```
.border{ border-color:#1BE42F }
```

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

Here you see how a box with a 4 pixel #1BE42F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1BE42F; -webkit-box-shadow:4px 4px  
4px 4px #1BE42F; box-shadow:4px 4px 4px  
4px #1BE42F }
```

Background

The CSS property to change the background color of an element to Hex 1BE42F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1BE42F }
```

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

```
.background{ background-color:#1BE42F }
```

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