

# Converting Colors

Hex(1BB55F)

Have a look what the booklet for  
Hex(1BB55F) contains.

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**Color**

**Hex(1BB55F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1BB55F
RGB	27, 181, 95
RGB Percent	11%, 71%, 37%
CMY	0.8941, 0.2902, 0.6275
CMYK	0.85, 0.00, 0.48, 0.29
HSL	146°, 74%, 41%
HSV	146°, 85%, 71%
XYZ	19.0414, 34.1070, 16.4062
YIQ	125.1500, -64.1780, -59.3940

# Conversions

## Conversions Part 2

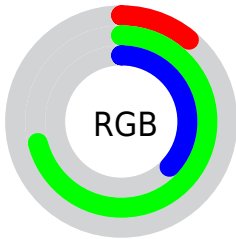
Format	Color
<a href="#">RYB</a>	<a href="#">27, 134, 181</a>
Decimal	<a href="#">1815903</a>
CIELab	<a href="#">65.05, -56.78, 33.31</a>
CIELCh	<a href="#">65, 65.827, 149.599</a>
Yxy	<a href="#">34.1070, 0.2738, 0.4904</a>
Android (android.graphics.Color)	<a href="#">4280005983 (0xFF1BB55F)</a>
YUV	<a href="#">125.1500, -14.8639, -86.0775</a>
Hunter-Lab	<a href="#">58.4012, -44.0030, 24.2249</a>

# Details

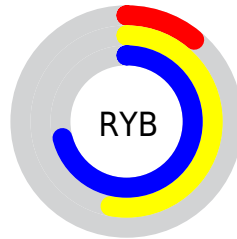
The Hex color **1BB55F** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **B51B71**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **66EE93**, and **007F2E** is the 20% darker color. If you saturate the color by 10%, you get **09B555**, and if you desaturate by 10%, it is **2DB569**.

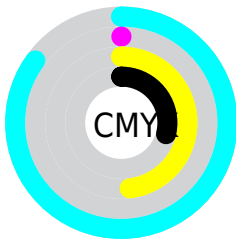
# Distribution



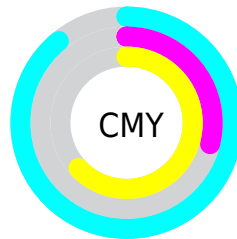
- Red (11%)
- Green (71%)
- Blue (37%)



- Red (11%)
- Yellow (53%)
- Blue (71%)



- Cyan (85%)
- Magenta (0%)
- Yellow (48%)
- Black (29%)



- Cyan (89%)
- Magenta (29%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1BB55F 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 1BB55F by changing the saturation by 10% instead.



 1BB55F

 1BB55F

FFFFFF

 009946

 66EE93

 007F2E

 85FFAE

 006416

 A3FFC9

 004B00

 C1FFE6

 003400

 DFFFFF

 001A00

FDFFFF

 000000

 1BB55F

 1BB55F

 09B555

 2DB569

■ 00B550

■ 3FB573

■ 51B57D

■ 63B587

■ 76B592

■ 88B59C

■ 9AB5A6

■ ACB5B0

■ BEB5BA

# Harmonies

## Analogous

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



81AB2C



1BB55F



00B99B

# Triad

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



1BB55F



00A5FF



FF6D67

# Complementary

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



1BB55F



B51B71

# 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.



FF64A1



1BB55F



9B8FFF

# Square

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



1BB55F



00B3FF



E474DA



E98436

# Rectangle

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



1BB55F



00BAC4



E474DA



FF677A



# Sweetspot

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



1BB55F



AEEBC9



72B51B



517561



F5F5F5



757575



# Same Dimension

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



1BB55F



00EB68



1BB5AB



505954



009944



001A0B



# Inverse Universe

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



B51B71



EB0083



B51B25



595055



990055



1A000E



# Previews

## White Background



This preview shows how the Hex color 1BB55F looks on a white background.

## Color Contrast Check

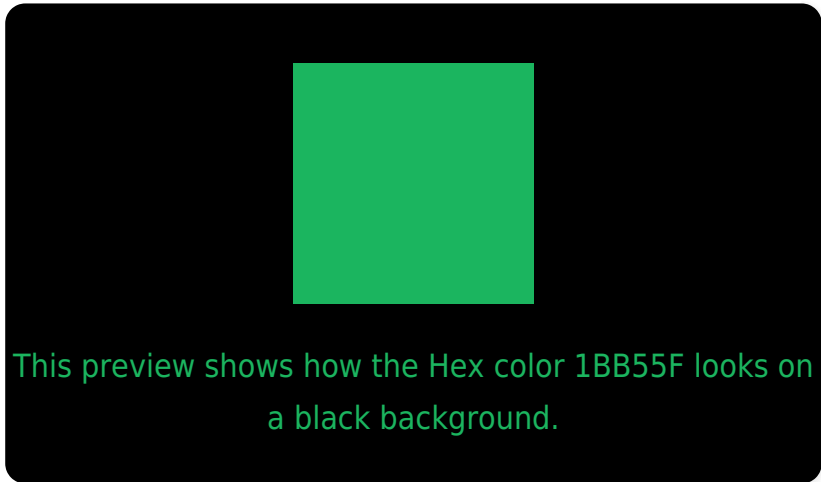
Large Text (above 18pt) WCAG AA × Fail

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

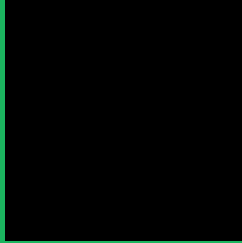
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 1BB55F Background



This preview shows how black text looks on a background with the Hex color 1BB55F.

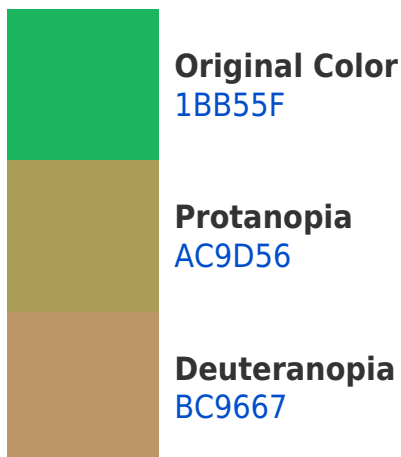


This preview shows how white text looks on a background with the Hex color 1BB55F.

# 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**  
48ABB9

# Trichromacy



**Original Color**  
1BB55F



**Protanomaly**  
77A659



**Deuteranomaly**  
81A164



**Tritanomaly**  
38AF98

# Monochromacy



**Original Color**  
1BB55F



**Achromatopsia**  
7D7D7D



**Achromatomaly**  
599172

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1BB55F 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 #1BB55F looks like.

```
.text, #text, p{  
    color:#1BB55F  
}
```

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 #1BB55F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1BB55F
}
```

## Border

The CSS property to change the border of an element to Hex 1BB55F 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
#1BB55F }
```

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

```
.border{ border-color:#1BB55F }
```

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

Here you see how a box with a 4 pixel #1BB55F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1BB55F; -webkit-box-shadow:4px 4px  
4px 4px #1BB55F; box-shadow:4px 4px 4px  
4px #1BB55F }
```

# Background

The CSS property to change the background color of an element to Hex 1BB55F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1BB55F }
```

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

```
.background{ background-color:#1BB55F }
```

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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