

# Converting Colors

Hex(1BB122)

Have a look what the booklet for  
Hex(1BB122) contains.

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**Color**

**Hex(1BB122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1BB122
RGB	27, 177, 34
RGB Percent	11%, 69%, 13%
CMY	0.8941, 0.3059, 0.8667
CMYK	0.85, 0.00, 0.81, 0.31
HSL	123°, 74%, 40%
HSV	123°, 85%, 69%
XYZ	16.4629, 31.7928, 6.7823
YIQ	115.8480, -43.4970, -76.2730

# Conversions

## Conversions Part 2

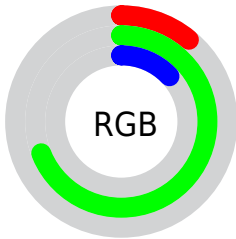
<b>Format</b>	<b>Color</b>
<b>RYB</b>	27, 170, 177
Decimal	1814818
CIELab	63.17, -62.54, 57.22
CIElCh	63, 84.768, 137.544
Yxy	31.7928, 0.2991, 0.5777
Android (android.graphics.Color)	4280004898 (0xFF1BB122)
YUV	115.8480, -40.3511, -77.9197
Hunter-Lab	56.3851, -46.5569, 32.3378

# Details

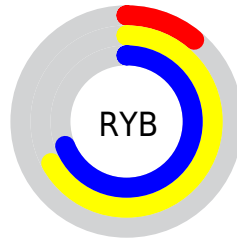
The Hex color **1BB122** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **B11BAA**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **67EA5B**, and **007B00** is the 20% darker color. If you saturate the color by 10%, you get **09B111**, and if you desaturate by 10%, it is **2DB133**.

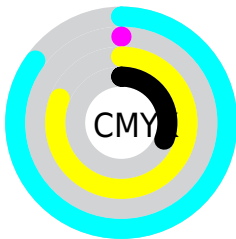
# Distribution



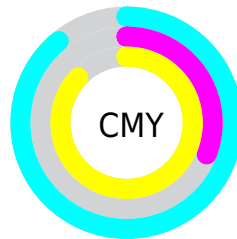
- Red (11%)
- Green (69%)
- Blue (13%)



- Red (11%)
- Yellow (67%)
- Blue (69%)



- Cyan (85%)
- Magenta (0%)
- Yellow (81%)
- Black (31%)



- Cyan (89%)
- Magenta (31%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1BB122 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 1BB122 by changing the saturation by 10% instead.



 1BB122

 1BB122

FFFFFF

 009500

 67EA5B

 007B00

 86FF76

 006100

 A5FF92

 004700

 C3FFAE

 003000

 E1FFCA

 001300

 FFFFE7

 000000

 1BB122

 1BB122

 09B111

 2DB133

■ 00B108

■ 3EB144

■ 50B155

■ 62B165

■ 73B176

■ 85B187

■ 97B198

■ A9B1A9

■ BAB1BA

# Harmonies

## Analogous

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



8FA300



1BB122



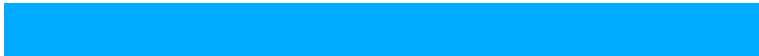
00B876

# Triad

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



1BB122



00ABFF



FF3F70

# Complementary

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



1BB122



B11BAA

# 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.



FF43BC



1BB122



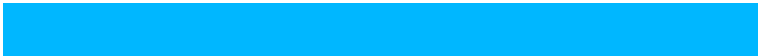
3193FF

# Square

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



1BB122



00B7FF



D16DFF



FF6627

# Rectangle

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



1BB122



00BAAB



D16DFF



FF3989



# Sweetspot

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



1BB122



ACE6AF



ACB11B



507352



F2F2F2



737373



# Same Dimension

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



1BB122



00E60B



1BB16B



505951



009907



001A01



# Inverse Universe

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



B11BAA



E600DB



B11B61



595059



990092

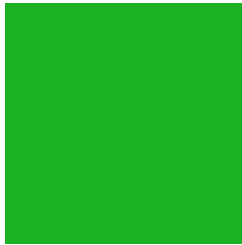


1A0018



# Previews

## White Background



This preview shows how the Hex color 1BB122 looks on a white background.

## Color Contrast Check

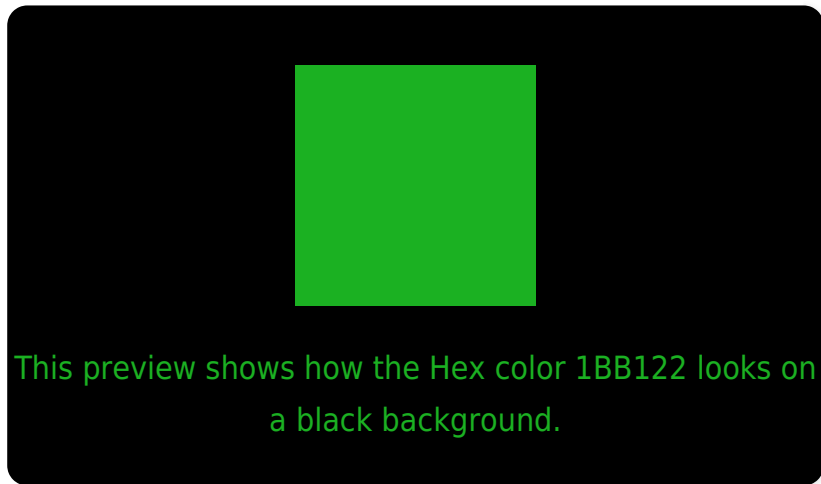
Large Text (above 18pt) WCAG AA × Fail

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 1BB122 Background



This preview shows how black text looks on a background with the Hex color 1BB122.

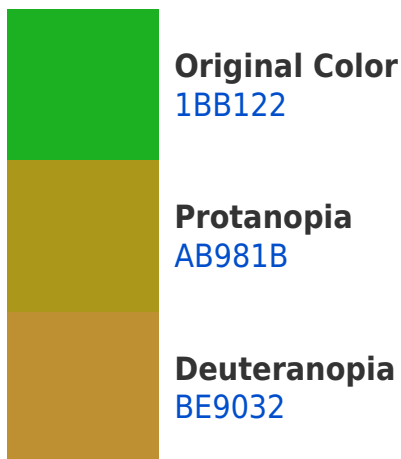


This preview shows how white text looks on a background with the Hex color 1BB122.

# 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**  
4DA5B2

# Trichromacy



**Original Color**  
1BB122



**Protanomaly**  
77A11E



**Deuteranomaly**  
839C2C



**Tritanomaly**  
3BA97E

# Monochromacy



**Original Color**  
1BB122



**Achromatopsia**  
747474



**Achromatomaly**  
548A56

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1BB122 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 #1BB122 looks like.

```
.text, #text, p{  
    color:#1BB122  
}
```

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 #1BB122 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1BB122
}
```

## Border

The CSS property to change the border of an element to Hex 1BB122 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".

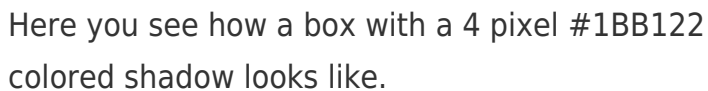
```
.border, #border, table{ border:4px solid
#1BB122 }
```

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

```
.border{ border-color:#1BB122 }
```

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

Here you see how a box with a 4 pixel #1BB122 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1BB122; -webkit-box-shadow:4px 4px  
4px 4px #1BB122; box-shadow:4px 4px 4px  
4px #1BB122 }
```

# Background

The CSS property to change the background color of an element to Hex 1BB122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1BB122 }
```

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

```
.background{ background-color:#1BB122 }
```

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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