

Converting Colors

Hex(51B951)

Have a look what the booklet for
Hex(51B951) contains.

Hex(51B951)	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(51B951)

Conversions

Conversions Part 1

Format	Color
Hex	51B951
RGB	81, 185, 81
RGB Percent	32%, 73%, 32%
CMY	0.6824, 0.2745, 0.6824
CMYK	0.56, 0.00, 0.56, 0.27
HSL	120°, 43%, 52%
HSV	120°, 56%, 73%
XYZ	22.2275, 37.0413, 13.7628
YIQ	142.0480, -28.6000, -54.3920

Conversions

Conversions Part 2

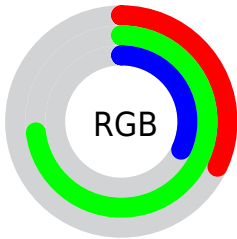
Format	Color
RYB	81, 185, 185
Decimal	5355857
CIELab	67.31, -51.04, 43.26
CIELCh	67, 66.906, 139.713
Yxy	37.0413, 0.3044, 0.5072
Android (android.graphics.Color)	4283545937 (0xFF51B951)
YUV	142.0480, -30.0967, -53.5391
Hunter-Lab	60.8616, -41.3171, 29.1957

Details

The Hex color **51B951** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **B951B9**, and the grayscale version is **8E8E8E**.

A 20% lighter version of the original color is **8BF285**, and **00831D** is the 20% darker color. If you saturate the color by 10%, you get **3EB93E**, and if you desaturate by 10%, it is **64B964**.

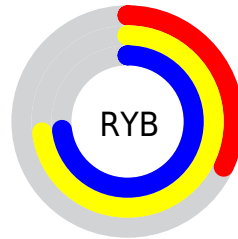
Distribution



Red (32%)

Green (73%)

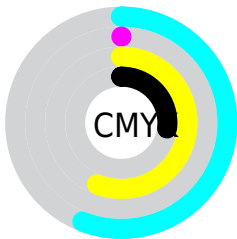
Blue (32%)



Red (32%)

Yellow (73%)

Blue (73%)

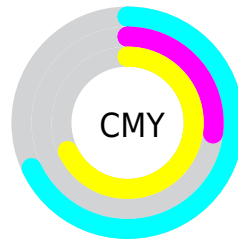


Cyan (56%)

Magenta (0%)

Yellow (56%)

Black (27%)



Cyan (68%)

Magenta (27%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Hex color 51B951 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 51B951 by changing the saturation by 10% instead.



51B951



51B951

FFFFFF



329E38



8BF285



00831D



A8FFA0



006900



C5FFBC



005000



E2FFD8



003700



FFFFF5



002100



000000



51B951



51B951



3EB93E



64B964

 2CB92C

 76B976

 19B919

 89B989

 07B907

 9BB99B

 00B900

 ADB9AD

 C0B9C0

 D3B9D3

 E5B9E5

 F7B9F7

Harmonies

Analogous

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



9CAD22



51B951



00BF8C

Triad

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



51B951



00B1FF



FF6C7F

Complementary

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



51B951



B951B9

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.



FF6CBB



51B951



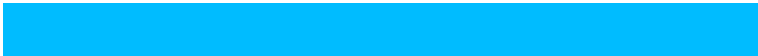
7C9DFF

Square

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



51B951



00BCFF



D882F3



FD8149

Rectangle

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



51B951



00C1B6



D882F3



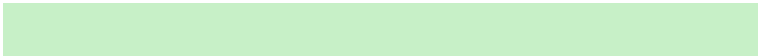
FF6993

Sweetspot

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



51B951



C7F0C7



B9B951



607860



F7F7F7



787878

Same Dimension

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



51B951



4FF04F



51B985



535C53



009C00



001C00

Inverse Universe

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



B951B9



F04FF0



B95185



5C535C



9C009C



1C001C

Previews

White Background



This preview shows how the Hex color 51B951 looks on a white background.

Color Contrast Check

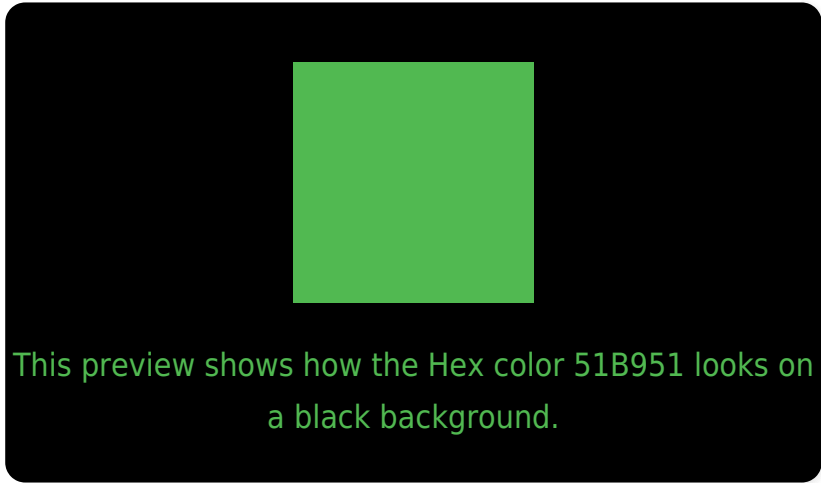
Large Text (above 18pt) WCAG AA × Fail

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

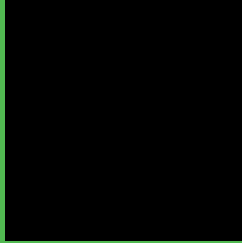
Any Text WCAG AA ✓ Pass

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 51B951 Background



This preview shows how black text looks on a background with the Hex color 51B951.

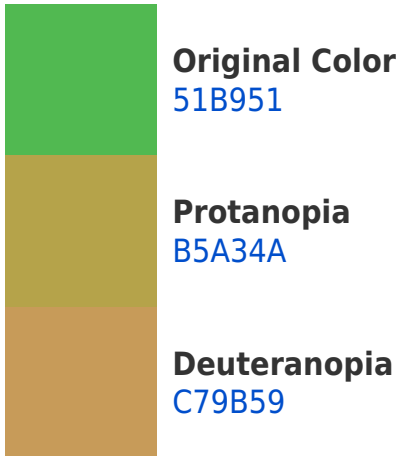


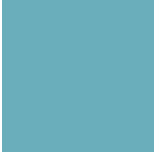
This preview shows how white text looks on a background with the Hex color 51B951.

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
6AAEBC

Trichromacy



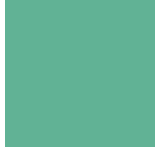
Original Color
51B951



Protanomaly
91AB4D



Deuteranomaly
9CA656



Tritanomaly
61B295

Monochromacy



Original Color
51B951



Achromatopsia
8E8E8E



Achromatomaly
789E78

CSS Examples

Text

The CSS property to change the color of the text to Hex 51B951 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 #51B951 looks like.

```
.text, #text, p{  
    color:#51B951  
}
```

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 #51B951 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51B951
}
```

Border

The CSS property to change the border of an element to Hex 51B951 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
#51B951 }
```

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

```
.border{ border-color:#51B951 }
```

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

Here you see how a box with a 4 pixel #51B951 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51B951; -webkit-box-shadow:4px 4px  
4px 4px #51B951; box-shadow:4px 4px 4px  
4px #51B951 }
```

Background

The CSS property to change the background color of an element to Hex 51B951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51B951 }
```

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

```
.background{ background-color:#51B951 }
```

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