

# Converting Colors

Hex(51B44E)

Have a look what the booklet for  
Hex(51B44E) contains.

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**Color**

**Hex(51B44E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51B44E
RGB	81, 180, 78
RGB Percent	32%, 71%, 31%
CMY	0.6824, 0.2941, 0.6941
CMYK	0.55, 0.00, 0.57, 0.29
HSL	118°, 40%, 51%
HSV	118°, 57%, 71%
XYZ	21.0897, 34.9419, 12.8406
YIQ	138.7710, -26.2620, -52.7100

# Conversions

## Conversions Part 2

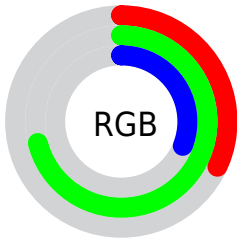
Format	Color
<a href="#">RYB</a>	<a href="#">78, 180, 177</a>
Decimal	<a href="#">5354574</a>
CIELab	<a href="#">65.70, -49.47, 42.79</a>
CIELCh	<a href="#">66, 65.407, 139.141</a>
Yxy	<a href="#">34.9419, 0.3062, 0.5073</a>
Android (android.graphics.Color)	<a href="#">4283544654 (0xFF51B44E)</a>
YUV	<a href="#">138.7710, -29.9601, -50.6652</a>
Hunter-Lab	<a href="#">59.1117, -39.7606, 28.4988</a>

# Details

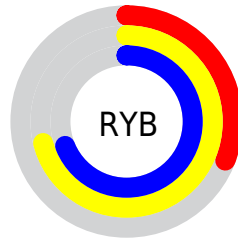
The Hex color **51B44E** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **B14EB4**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **8AED82**, and **047E1A** is the 20% darker color. If you saturate the color by 10%, you get **40B43C**, and if you desaturate by 10%, it is **62B460**.

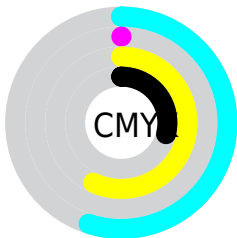
# Distribution



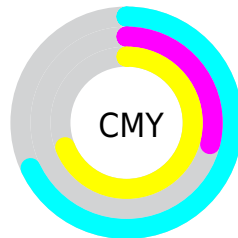
- Red (32%)
- Green (71%)
- Blue (31%)



- Red (31%)
- Yellow (71%)
- Blue (69%)



- Cyan (55%)
- Magenta (0%)
- Yellow (57%)
- Black (29%)




- Cyan (68%)
- Magenta (29%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 51B44E 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 51B44E by changing the saturation by 10% instead.



 51B44E

 51B44E

FFFFFF

 329935

 8AED82

 047E1A

 A7FF9D

 006400

 C4FFB8

 004B00

 E1FFD4

 003400

 FFFFF1

 001C00

 000000

 51B44E

 51B44E

 40B43C

 62B460

 2EB42A

 74B472

 1DB418

 85B484

 0BB406

 97B496

 05B400

 A8B4A8

 BAB4BA

 CBB4CC

 DDB4DE

 EEB4F0

# Harmonies

## Analogous

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



99A821



51B44E



00BA88

# Triad

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



51B44E



00ACFF



FF697D

# Complementary

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



51B44E



B14EB4

# 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.



FF6AB8



51B44E



7799FF

# Square

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



51B44E



00B7F7



D17FED



F77D48

# Rectangle

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



51B44E



00BBB0



D17FED



FF6790



# Sweetspot

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



51B44E



C4EBC3



B4B14E



5F755E



F5F5F5



757575



# Same Dimension

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



51B44E



50EB4B



4EB47E



515950



049900



011A00



# Inverse Universe

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



B14EB4



E64BEB



B44E84



595059



950099



19001A



# Previews

## White Background



This preview shows how the Hex color 51B44E looks on a white background.

## Color Contrast Check

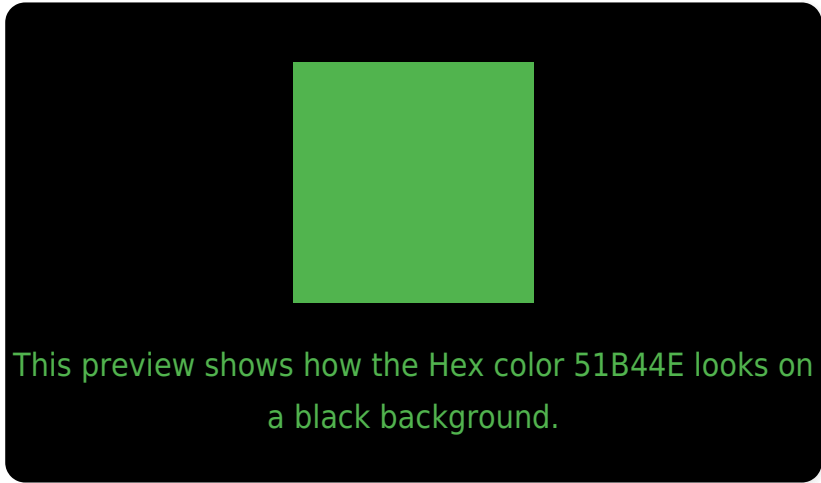
Large Text (above 18pt) WCAG AA × Fail

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 51B44E Background



This preview shows how black text looks on a background with the Hex color 51B44E.

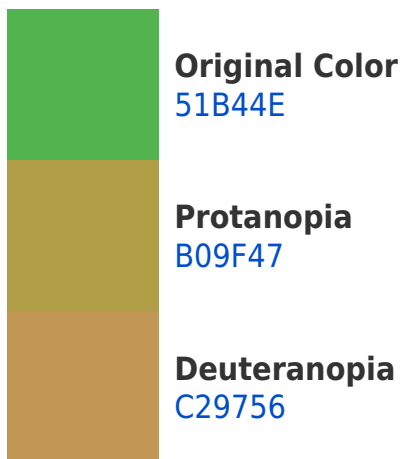


This preview shows how white text looks on a background with the Hex color 51B44E.

# 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**  
68A9B7

# Trichromacy



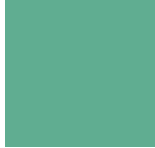
**Original Color**  
51B44E



**Protanomaly**  
8DA74A



**Deuteranomaly**  
99A253



**Tritanomaly**  
60AD91

# Monochromacy



**Original Color**  
51B44E



**Achromatopsia**  
8B8B8B



**Achromatomaly**  
769A75

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 51B44E 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 #51B44E looks like.

```
.text, #text, p{  
    color:#51B44E  
}
```

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 #51B44E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51B44E
}
```

## Border

The CSS property to change the border of an element to Hex 51B44E 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
#51B44E }
```

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

```
.border{ border-color:#51B44E }
```

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

Here you see how a box with a 4 pixel #51B44E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51B44E; -webkit-box-shadow:4px 4px  
4px 4px #51B44E; box-shadow:4px 4px 4px  
4px #51B44E }
```

# Background

The CSS property to change the background color of an element to Hex 51B44E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51B44E }
```

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

```
.background{ background-color:#51B44E }
```

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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