

# Converting Colors

Hex(55BD2D)

Have a look what the booklet for  
Hex(55BD2D) contains.

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# **Color**

**Hex(55BD2D)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 55BD2D                       |
| RGB         | 85, 189, 45                  |
| RGB Percent | 33%, 74%, 18%                |
| CMY         | 0.6667, 0.2588, 0.8235       |
| CMYK        | 0.55, 0.00, 0.76, 0.26       |
| HSL         | 103°, 62%, 46%               |
| HSV         | 103°, 76%, 74%               |
| XYZ         | 22.4176, 38.5159, 8.7354     |
| YIQ         | 141.4880, -15.7600, -66.8320 |

# Conversions

## Conversions Part 2

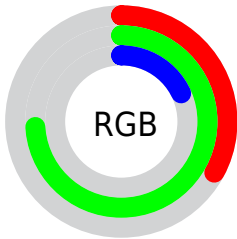
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>R<sub>YB</sub></b>               | 45, 189, 149                    |
| Decimal                             | 5618989                         |
| CIE <sub>Lab</sub>                  | 68.40, -54.86, 59.26            |
| CIE <sub>LCh</sub>                  | 68, 80.756, 132.796             |
| Yxy                                 | 38.5159, 0.3218,<br>0.5528      |
| Android<br>(android.graphics.Color) | 4283809069<br>(0xFF55BD2D)      |
| YUV                                 | 141.4880, -47.5686,<br>-49.5400 |
| Hunter-Lab                          | 62.0612, -44.1299,<br>35.0975   |

# Details

The Hex color **55BD2D** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **952DBD**, and the grayscale version is **8E8E8E**.

A 20% lighter version of the original color is **90F665**, and **008700** is the 20% darker color. If you saturate the color by 10%, you get **47BD1A**, and if you desaturate by 10%, it is **63BD40**.

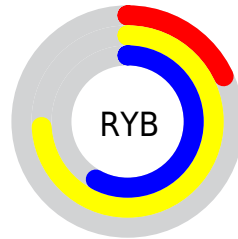
# Distribution



Red (33%)

Green (74%)

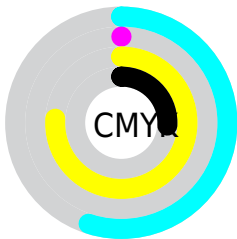
Blue (18%)



Red (18%)

Yellow (74%)

Blue (58%)

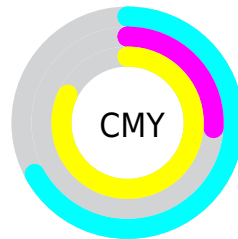


Cyan (55%)

Magenta (0%)

Yellow (76%)

Black (26%)



Cyan (67%)

Magenta (26%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 55BD2D 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 55BD2D by changing the saturation by 10% instead.



 55BD2D

 55BD2D

FFFFFF

 34A105

 90F665

 008700

 AEFF81

 006C00

 CBFF9C

 005300


 E9FFB8

 003B00

 FFFFD5

 002400

 FFFFF2

 000000

 55BD2D

 55BD2D

 47BD1A

 63BD40

■ 3ABD07

■ 70BD53

■ 34BD00

■ 7EBD66

■ 8CBD79

■ 99BD8C

■ A7BD9E

■ B5BDB1

■ C2BDC4

■ D0BDD7

# Harmonies

## Analogous

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



ABAD00



55BD2D



00C579

# Triad

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



55BD2D



00BBFF



FF578B

# Complementary

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



55BD2D



952DBD

# 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.



FF61D4



55BD2D



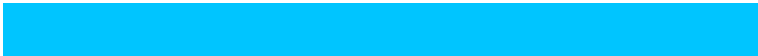
1DA5FF

# Square

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



55BD2D



00C5FF



D084FF



FF7246

# Rectangle

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



55BD2D



00C7AC



D084FF



FF55A3

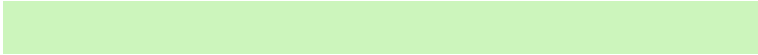


# Sweetspot

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



55BD2D



CCF5BC



BD942D



627A58



FAFAFA



7A7A7A



# Same Dimension

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



55BD2D



54F516



2DBD4C



585E55



2C9E00



081F00



# Inverse Universe

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



952DBD



B716F5



BD2D9E



5C555E



72009E



16001F



# Previews

## White Background



This preview shows how the Hex color 55BD2D looks on a white background.

## Color Contrast Check

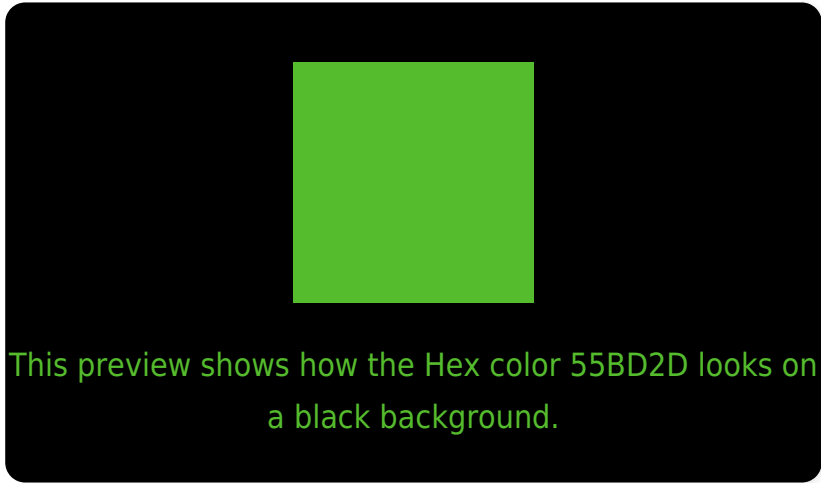
Large Text (above 18pt) WCAG AA × Fail

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 55BD2D Background



This preview shows how black text looks on a background with the Hex color 55BD2D.

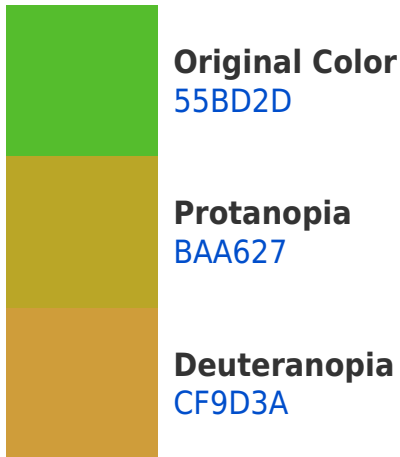


This preview shows how white text looks on a background with the Hex color 55BD2D.

# 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**  
70B0BE

# Trichromacy



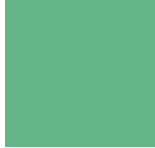
**Original Color**  
55BD2D



**Protanomaly**  
95AE29



**Deuteranomaly**  
A3A935



**Tritanomaly**  
66B589

# Monochromacy



**Original Color**  
55BD2D



**Achromatopsia**  
8D8D8D



**Achromatomaly**  
799E6A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 55BD2D 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 #55BD2D looks like.

```
.text, #text, p{  
    color:#55BD2D  
}
```

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 #55BD2D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #55BD2D
}
```

## Border

The CSS property to change the border of an element to Hex 55BD2D 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
#55BD2D }
```

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

```
.border{ border-color:#55BD2D }
```

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

Here you see how a box with a 4 pixel #55BD2D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #55BD2D; -webkit-box-shadow:4px 4px  
4px 4px #55BD2D; box-shadow:4px 4px 4px  
4px #55BD2D }
```

# Background

The CSS property to change the background color of an element to Hex 55BD2D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#55BD2D }
```

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

```
.background{ background-color:#55BD2D }
```

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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