

# Converting Colors

Hex(5BD75D)

Have a look what the booklet for  
Hex(5BD75D) contains.

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# Color

**Hex(5BD75D)**

# Conversions

Conversions Part 1	
Format	Color
Hex	5BD75D
RGB	91, 215, 93
RGB Percent	36%, 84%, 36%
CMY	0.6431, 0.1569, 0.6353
CMYK	0.58, 0.00, 0.57, 0.16
HSL	121°, 61%, 60%
HSV	121°, 58%, 84%
XYZ	30.5906, 51.6153, 18.7064
YIQ	164.0160, -34.7420, -64.2300

# Conversions

## Conversions Part 2

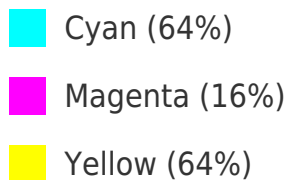
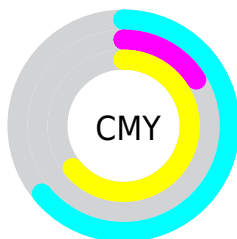
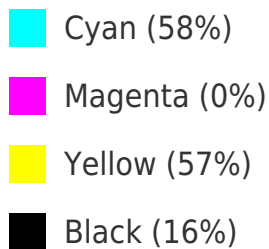
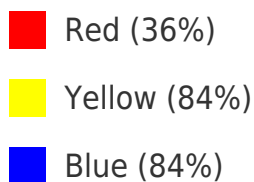
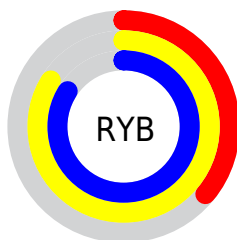
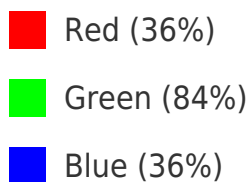
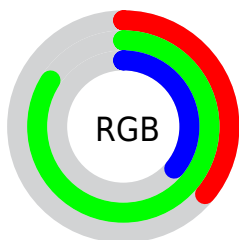
Format	Color
<a href="#">RYB</a>	<a href="#">91, 213, 215</a>
Decimal	<a href="#">6018909</a>
CIELab	<a href="#">77.05, -58.43, 49.25</a>
CIELCh	<a href="#">77, 76.414, 139.872</a>
Yxy	<a href="#">51.6153, 0.3031, 0.5115</a>
Android (android.graphics.Color)	<a href="#">4284208989</a> <a href="#">(0xFF5BD75D)</a>
YUV	<a href="#">164.0160, -35.0109, -64.0350</a>
Hunter-Lab	<a href="#">71.8438, -49.7226, 34.8530</a>

# Details

The Hex color **5BD75D** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **D75BD5**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **97FF92**, and **039F28** is the 20% darker color. If you saturate the color by 10%, you get **46D748**, and if you desaturate by 10%, it is **71D772**.

# Distribution



# Brightness & Saturation Gradients

These gradients show how the Hex color 5BD75D 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 5BD75D by changing the saturation by 10% instead.

 5BD75D

FFFFFF

 97FF92

 B5FFAE

 D3FFCA

 F1FFE7

 5BD75D

 3ABB43

 039F28

 008405

 006A00

 005000

 003800


 002000

 000000

 5BD75D

 5BD75D

 46D748

 71D772

 30D733

 86D787

 1BD71E

 9CD79C

 05D708

 B1D7B2

 00D703

 C7D7C7

 DCD7DC

 F2D7F1

 FFD7FF

# Harmonies

## Analogous

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



B5C923



5BD75D



00DEA3

# Triad

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



5BD75D



00CDFE



FF7C92

# Complementary

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



5BD75D



D75BD5

# 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.



FF7CD9



5BD75D



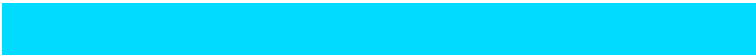
8FB6FF

# Square

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



5BD75D



00DBFF



FC96FF



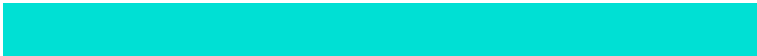
FF9553

# Rectangle

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



5BD75D



00E0D4



FC96FF



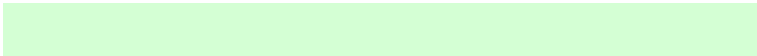
FF79AA

# Sweetspot

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



5BD75D



D4FFD4



D7D75B



668066



000000



808080



# Same Dimension

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



5BD75D



4FFF52



5BD799



606B61



00AB03



002B01



# Inverse Universe

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



D75BD5



FF4FFC



D75B99



6B606B



AB00A8

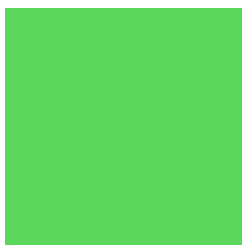


2B002B



# Previews

## White Background



This preview shows how the Hex color 5BD75D looks on a white background.

## Color Contrast Check

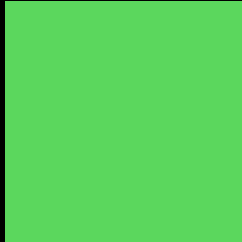
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 5BD75D looks on a 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 5BD75D Background



This preview shows how black text looks on a background with the Hex color 5BD75D.

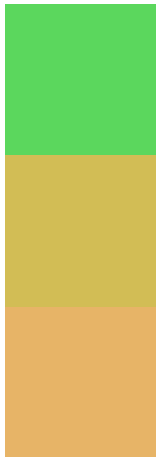


This preview shows how white text looks on a background with the Hex color 5BD75D.

# 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](#).

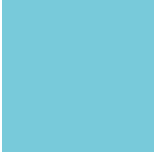
## Dichromacy



**Original Color**  
5BD75D

**Protanopia**  
D2BD55

**Deuteranopia**  
E7B467

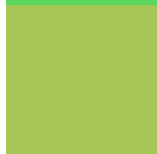


# Trichromacy



**Original Color**

5BD75D



**Protanomaly**

A7C658



**Deuteranomaly**

B4C163



**Tritanomaly**

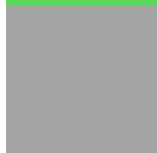
6DCFAD

# Monochromacy



**Original Color**

5BD75D



**Achromatopsia**

A4A4A4



**Achromatomaly**

89B78A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5BD75D 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 #5BD75D looks like.

```
.text, #text, p{  
    color:#5BD75D  
}
```

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 #5BD75D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5BD75D
}
```

## Border

The CSS property to change the border of an element to Hex 5BD75D 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
#5BD75D }
```

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

```
.border{ border-color:#5BD75D }
```

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

Here you see how a box with a 4 pixel #5BD75D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5BD75D; -webkit-box-shadow:4px 4px  
4px 4px #5BD75D; box-shadow:4px 4px 4px  
4px #5BD75D }
```

# Background

The CSS property to change the background color of an element to Hex 5BD75D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5BD75D }
```

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

```
.background{ background-color:#5BD75D }
```

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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