

# Converting Colors

Hex(5DD151)

Have a look what the booklet for  
Hex(5DD151) contains.

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**Color**

**Hex(5DD151)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DD151
RGB	93, 209, 81
RGB Percent	36%, 82%, 32%
CMY	0.6353, 0.1804, 0.6824
CMYK	0.56, 0.00, 0.61, 0.18
HSL	114°, 58%, 57%
HSV	114°, 61%, 82%
XYZ	28.7999, 48.5222, 15.6324
YIQ	159.7240, -28.0480, -64.4000

# Conversions

## Conversions Part 2

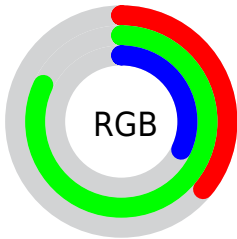
Format	Color
<a href="#">RYB</a>	<a href="#">81, 209, 197</a>
Decimal	<a href="#">6148433</a>
CIELab	<a href="#">75.15, -57.07, 52.44</a>
CIELCh	<a href="#">75, 77.501, 137.424</a>
Yxy	<a href="#">48.5222, 0.3098, 0.5220</a>
Android (android.graphics.Color)	<a href="#">4284338513</a> ( <a href="#">0xFF5DD151</a> )
YUV	<a href="#">159.7240, -38.8109, -58.5169</a>
Hunter-Lab	<a href="#">69.6579, -48.1009, 35.4548</a>

# Details

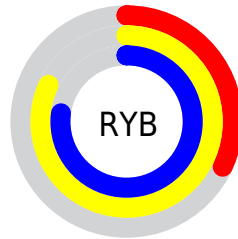
The Hex color **5DD151** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **C551D1**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **99FF87**, and **109918** is the 20% darker color. If you saturate the color by 10%, you get **4AD13C**, and if you desaturate by 10%, it is **70D166**.

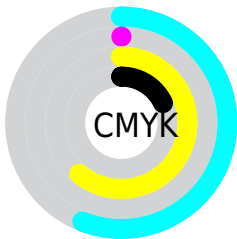
# Distribution



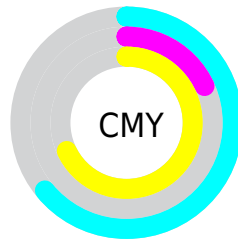
- Red (36%)
- Green (82%)
- Blue (32%)



- Red (32%)
- Yellow (82%)
- Blue (77%)



- Cyan (56%)
- Magenta (0%)
- Yellow (61%)
- Black (18%)



- Cyan (64%)
- Magenta (18%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5DD151 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 5DD151 by changing the saturation by 10% instead.



 5DD151

 5DD151

FFFFFF

 3DB536

 99FF87

 109918

 B6FFA2

 007F00

 D4FFBE

 006500

 F2FFDB

 004B00

 FFFFF8

 003400

 001B00

 000000

 5DD151

 5DD151

 4AD13C

 70D166

 37D127

 83D17B

 24D112

 96D190

 14D100

 A9D1A5

 BCD1BA

 CFD1CE

 E2D1E3

 F5D1F8

 FFD1FF

# Harmonies

## Analogous

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



B5C210



5DD151



00D997

# Triad

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



5DD151



00CAFF



FF7493

# Complementary

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



5DD151



C551D1

# 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.



FF76DA



5DD151



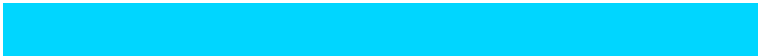
79B3FF

# Square

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



5DD151



00D6FF



F093FF



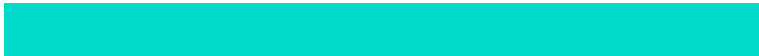
FF8D51

# Rectangle

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



5DD151



00DAC9



F093FF



FF71AA

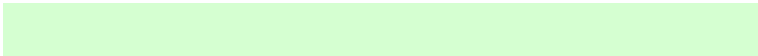


# Sweetspot

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



5DD151



D5FFD1



D1C451



668063



000000



808080



# Same Dimension

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



5DD151



56FF45



51D184



5F695E



10A800



042900



# Inverse Universe

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



C551D1



EE45FF



D1519E



685E69



9900A8

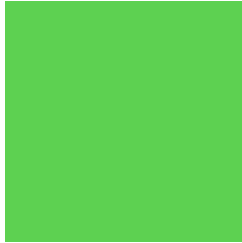


250029



# Previews

## White Background



This preview shows how the Hex color 5DD151 looks on a white background.

## Color Contrast Check

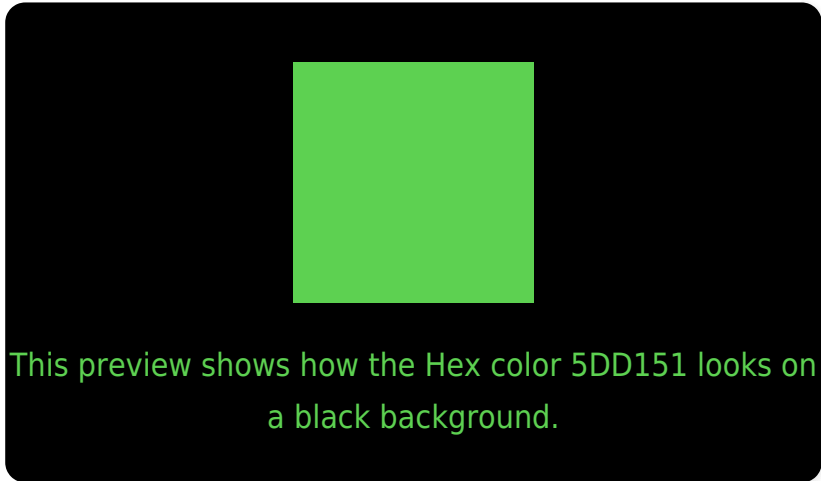
Large Text (above 18pt) WCAG AA × Fail

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

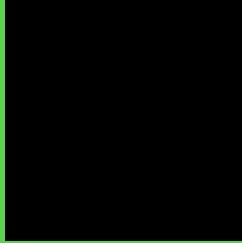
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 5DD151 Background



This preview shows how black text looks on a background with the Hex color 5DD151.

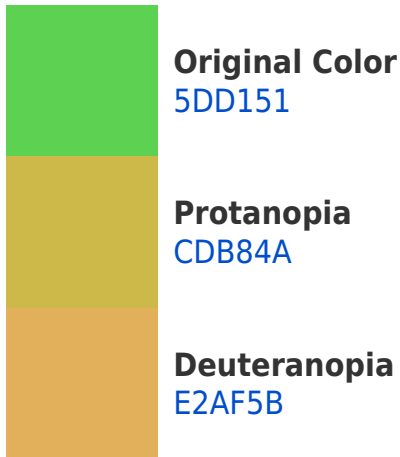


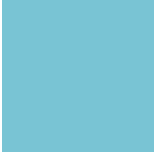
This preview shows how white text looks on a background with the Hex color 5DD151.

# 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**  
79C4D4

# Trichromacy



**Original Color**  
5DD151



**Protanomaly**  
A4C14D



**Deuteranomaly**  
B2BB57



**Tritanomaly**  
6FC9A4

# Monochromacy



**Original Color**  
5DD151



**Achromatopsia**  
A0A0A0



**Achromatomaly**  
88B283

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5DD151 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 #5DD151 looks like.

```
.text, #text, p{  
    color:#5DD151  
}
```

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 #5DD151 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5DD151
}
```

## Border

The CSS property to change the border of an element to Hex 5DD151 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
#5DD151 }
```

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

```
.border{ border-color:#5DD151 }
```

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

Here you see how a box with a 4 pixel #5DD151 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5DD151; -webkit-box-shadow:4px 4px  
4px 4px #5DD151; box-shadow:4px 4px 4px  
4px #5DD151 }
```

# Background

The CSS property to change the background color of an element to Hex 5DD151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5DD151 }
```

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

```
.background{ background-color:#5DD151 }
```

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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