

Converting Colors

Hex(50DD00)

Have a look what the booklet for
Hex(50DD00) contains.

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Color

Hex(50DD00)

Conversions

Conversions Part 1

Format	Color
Hex	50DD00
RGB	80, 221, 0
RGB Percent	31%, 87%, 0%
CMY	0.6863, 0.1333, 1.0000
CMYK	0.64, 0.00, 1.00, 0.13
HSL	98°, 100%, 43%
HSV	98°, 100%, 87%
XYZ	29.1647, 53.4184, 8.7736
YIQ	153.6470, -13.0950, -98.6230

Conversions

Conversions Part 2

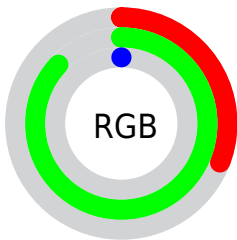
Format	Color
RYB	0, 221, 141
Decimal	5299456
CIELab	78.12, -68.45, 75.89
CIELCh	78, 102.204, 132.049
Yxy	53.4184, 0.3192, 0.5847
Android (android.graphics.Color)	4283489536 (0xFF50DD00)
YUV	153.6470, -75.7480, -64.5884
Hunter-Lab	73.0879, -56.6758, 44.0442

Details

The Hex color **50DD00** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **8D00DD**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **92FF55**, and **00A400** is the 20% darker color. If you saturate the color by 10%, you get **50DD00**, and if you desaturate by 10%, it is **5EDD16**.

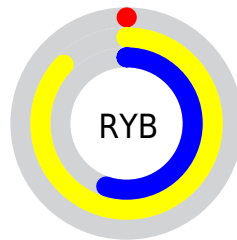
Distribution



Red (31%)

Green (87%)

Blue (0%)



Red (0%)

Yellow (87%)

Blue (55%)

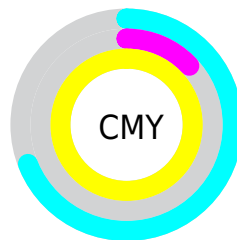


Cyan (64%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (69%)

Magenta (13%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 50DD00 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 50DD00 by changing the saturation by 10% instead.

 50DD00

 50DD00

FFFFFF

 25C000


 92FF55

 00A400

 B1FF73

 008900

 D0FF90

 006F00

 EFFFAD

 005500

 FFFFCB

 003C00

 FFFFEB

 002300

 000000

 50DD00

 5EDD16

 6CDD2C

 7ADD42

 88DD58

 97DD6F

 A5DD85

 B3DD9B

 C1DDB1

 CFDDC7

Harmonies

Analogous

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



C6C900



50DD00



00E783

Triad

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



50DD00



00DCFF



FF489F

Complementary

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



50DD00



8D00DD

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.



FF5CFE



50DD00



00C0FF

Square

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



50DD00



00E8FF



F293FF



FF7744

Rectangle

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



50DD00



00EAC5



F293FF



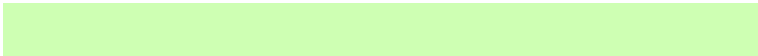
FF45BF

Sweetspot

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



50DD00



CEFFB3



DD8C00



628052



000000



808080

Same Dimension

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



50DD00



5CFF00



00DD1D



676E63



3FAD00



112E00

Inverse Universe

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



8D00DD



A300FF



DD00C0



6A636E



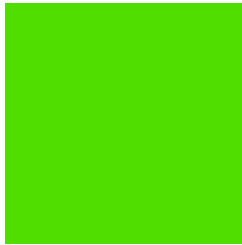
6F00AD



1D002E

Previews

White Background



This preview shows how the Hex color 50DD00 looks on a white background.

Color Contrast Check

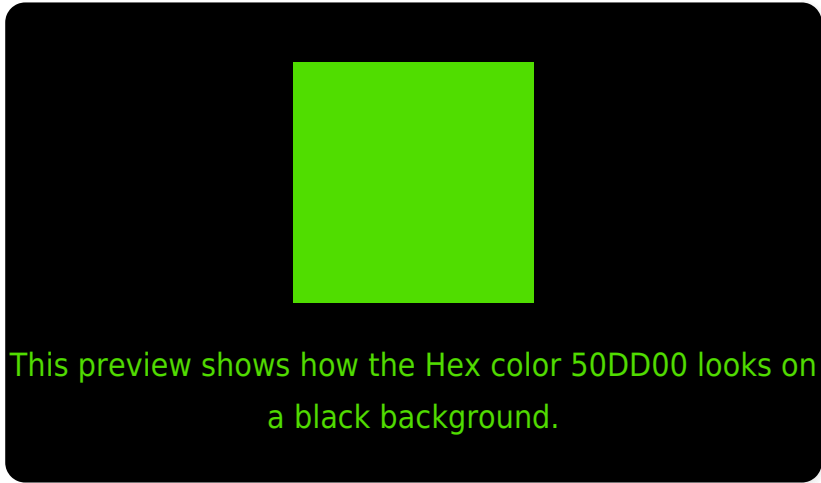
Large Text (above 18pt) WCAG AA × Fail

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

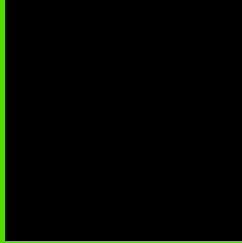
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

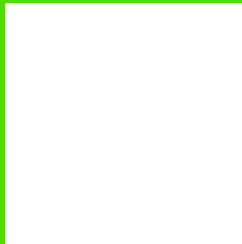
Any Text WCAG AAA ✓ Pass

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

Hex 50DD00 Background



This preview shows how black text looks on a background with the Hex color 50DD00.

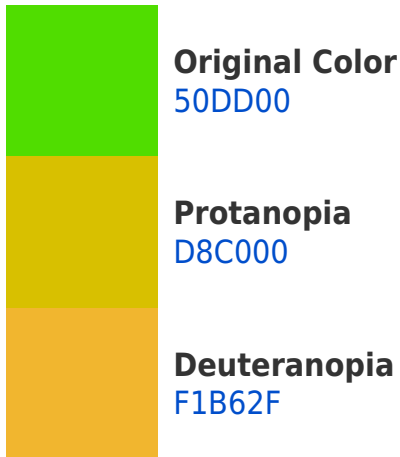


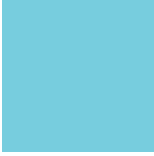
This preview shows how white text looks on a background with the Hex color 50DD00.

Color Blindness Simulation

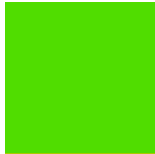
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Trichromacy



Original Color
50DD00



Protanomaly
A7CB00



Deuteranomaly
B6C41E



Tritanomaly
69D38D

Monochromacy



Original Color
50DD00



Achromatopsia
9A9A9A



Achromatomaly
7FB262

CSS Examples

Text

The CSS property to change the color of the text to Hex 50DD00 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 #50DD00 looks like.

```
.text, #text, p{  
    color:#50DD00  
}
```

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 #50DD00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #50DD00
}
```

Border

The CSS property to change the border of an element to Hex 50DD00 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
#50DD00 }
```

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

```
.border{ border-color:#50DD00 }
```

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

Here you see how a box with a 4 pixel #50DD00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #50DD00; -webkit-box-shadow:4px 4px  
4px 4px #50DD00; box-shadow:4px 4px 4px  
4px #50DD00 }
```

Background

The CSS property to change the background color of an element to Hex 50DD00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#50DD00 }
```

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

```
.background{ background-color:#50DD00 }
```

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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