

Converting Colors

Hex(55DF33)

Have a look what the booklet for
Hex(55DF33) contains.

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Color

Hex(55DF33)

Conversions

Conversions Part 1

Format	Color
Hex	55DF33
RGB	85, 223, 51
RGB Percent	33%, 87%, 20%
CMY	0.6667, 0.1255, 0.8000
CMYK	0.62, 0.00, 0.77, 0.13
HSL	108°, 73%, 54%
HSV	108°, 77%, 87%
XYZ	30.7315, 54.9457, 12.1178
YIQ	162.1300, -27.0360, -82.7480

Conversions

Conversions Part 2

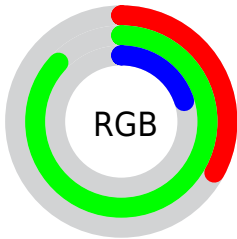
Format	Color
RYB	51, 223, 189
Decimal	5627699
CIELab	79.01, -66.35, 67.61
CIElCh	79, 94.726, 134.461
Yxy	54.9457, 0.3142, 0.5618
Android (android.graphics.Color)	4283817779 (0xFF55DF33)
YUV	162.1300, -54.7871, -67.6430
Hunter-Lab	74.1253, -55.7153, 42.1952

Details

The Hex color **55DF33** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark muted green. A complement of this color would be **BD33DF**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **95FF6E**, and **00A600** is the 20% darker color. If you saturate the color by 10%, you get **43DF1D**, and if you desaturate by 10%, it is **67DF49**.

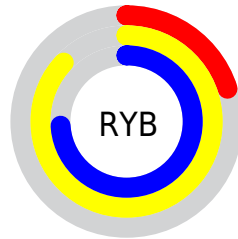
Distribution



Red (33%)

Green (87%)

Blue (20%)



Red (20%)

Yellow (87%)

Blue (74%)

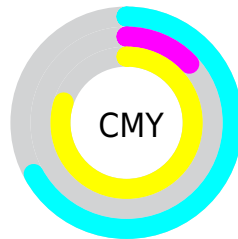


Cyan (62%)

Magenta (0%)

Yellow (77%)

Black (13%)



Cyan (67%)

Magenta (13%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color 55DF33 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 55DF33 by changing the saturation by 10% instead.

 55DF33

 55DF33

FFFFFF

 2EC207

 95FF6E

 00A600

 B4FF8A

 008B00

 D3FFA7

 007000

 F1FFC3

 005700

 FFFFE1

 003E00

FFFFFFE

 002500

 000000

 55DF33

 55DF33

 43DF1D

 67DF49

 31DF06

 79DF60

 2CDF00

 8BDF76

 9DDF8C

 AEDFA3

 C0DFB9

 D2DFCF

 E4DFE5

 F6DFFC

Harmonies

Analogous

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



C3CD00



55DF33



00E891

Triad

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



55DF33



00DBFF



FF619D

Complementary

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



55DF33



BD33DF

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.



FF6AF5



55DF33



2DC0FF

Square

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



55DF33



00E8FF



FC96FF



FF8549

Rectangle

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



55DF33



00EBCF



FC96FF



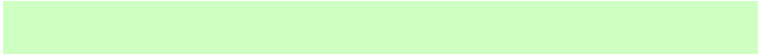
FF5DBA

Sweetspot

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



55DF33



D0FFC4



DFBD33



63805C



000000



808080

Same Dimension

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



55DF33



41FF12



33DF67



677065



23B000



0A3000

Inverse Universe

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



BD33DF



D012FF



DF33AB



6E6570



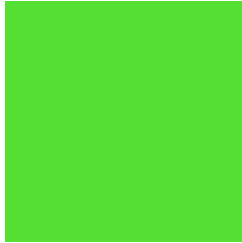
8D00B0



270030

Previews

White Background



This preview shows how the Hex color 55DF33 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 55DF33 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

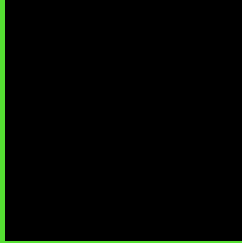
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

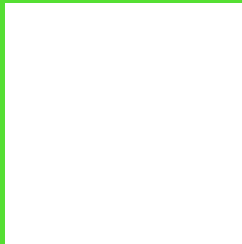
Any Text WCAG AAA ✓ Pass

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

Hex 55DF33 Background



This preview shows how black text looks on a background with the Hex color 55DF33.

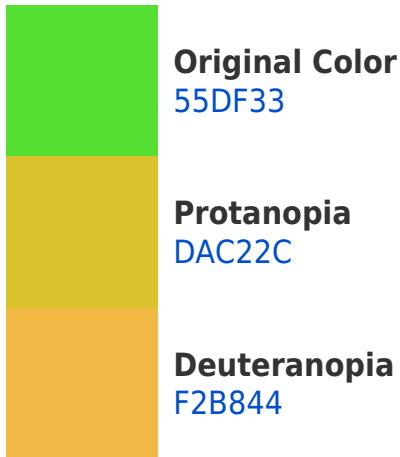


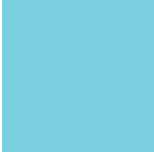
This preview shows how white text looks on a background with the Hex color 55DF33.

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](#).

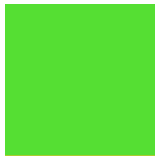
Dichromacy





Tritanopia
7AD0E1

Trichromacy



Original Color
55DF33



Protanomaly
AACD2F



Deuteranomaly
B9C63E



Tritanomaly
6DD5A2

Monochromacy



Original Color
55DF33



Achromatopsia
A2A2A2



Achromatomaly
86B87A

CSS Examples

Text

The CSS property to change the color of the text to Hex 55DF33 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 #55DF33 looks like.

```
.text, #text, p{  
    color:#55DF33  
}
```

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 #55DF33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #55DF33
}
```

Border

The CSS property to change the border of an element to Hex 55DF33 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
#55DF33 }
```

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

```
.border{ border-color:#55DF33 }
```

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

Here you see how a box with a 4 pixel #55DF33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #55DF33; -webkit-box-shadow:4px 4px  
4px 4px #55DF33; box-shadow:4px 4px 4px  
4px #55DF33 }
```

Background

The CSS property to change the background color of an element to Hex 55DF33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#55DF33 }
```

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

```
.background{ background-color:#55DF33 }
```

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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