

Converting Colors

Hex(33DD76)

Have a look what the booklet for
Hex(33DD76) contains.

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Color

Hex(33DD76)

Conversions

Conversions Part 1

Format	Color
Hex	33DD76
RGB	51, 221, 118
RGB Percent	20%, 87%, 46%
CMY	0.8000, 0.1333, 0.5373
CMYK	0.77, 0.00, 0.47, 0.13
HSL	144°, 71%, 53%
HSV	144°, 77%, 87%
XYZ	30.4917, 53.7247, 25.9024
YIQ	158.4280, -68.2570, -68.0730

Conversions

Conversions Part 2

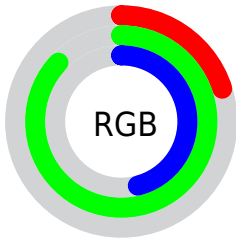
Format	Color
RYB	51, 173, 221
Decimal	3399030
CIELab	78.30, -64.19, 38.66
CIElCh	78, 74.932, 148.937
Yxy	53.7247, 0.2769, 0.4879
Android (android.graphics.Color)	4281589110 (0xFF33DD76)
YUV	158.4280, -19.9310, -94.2144
Hunter-Lab	73.2971, -54.0138, 30.3556

Details

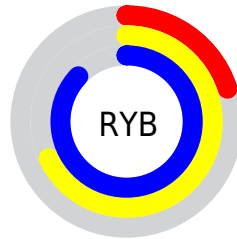
The Hex color **33DD76** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark muted spring green. A complement of this color would be **DD339A**, and the grayscale version is **9F9F9F**.

A 20% lighter version of the original color is **7BFFAC**, and **00A443** is the 20% darker color. If you saturate the color by 10%, you get **1DDD69**, and if you desaturate by 10%, it is **49DD83**.

Distribution



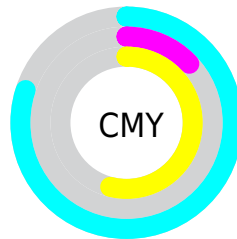
- Red (20%)
- Green (87%)
- Blue (46%)



- Red (20%)
- Yellow (68%)
- Blue (87%)



- Cyan (77%)
- Magenta (0%)
- Yellow (47%)
- Black (13%)



- Cyan (80%)
- Magenta (13%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33DD76 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 33DD76 by changing the saturation by 10% instead.

 33DD76

 33DD76

FFFFFF

 00C05C

 7BFFAC

 00A443

 9AFFC7

 00892A

 B9FFE4

 006E10

 D8FFFF

 005500

 F7FFFF

 003C00

 002400

 000000

 33DD76

 33DD76

■ 1DDD69

■ 49DD83

■ 07DD5B

■ 5FDD91

■ 00DD57

■ 75DD9E

■ 8BDDAC

■ A1DDB9

■ B8DDC6

■ CEDDD4

■ E4DDE1

■ FADDEF

Harmonies

Analogous

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



A2D13B



33DD76



00E2BD

Triad

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



33DD76



00CAFF



FF8782

Complementary

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



33DD76



DD339A

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.



FF7FC7



33DD76



BDB0FF

Square

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



33DD76



00DBFF



FF92FF



FFA248

Rectangle

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



33DD76



00E3ED



FF92FF



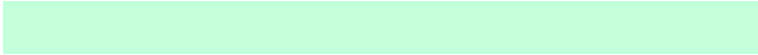
FF8299

Sweetspot

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



33DD76



C4FFDB



9CDD33



5C806A



000000



808080

Same Dimension

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



33DD76



14FF71



33DDC9



636E67



00AD44



002E12

Inverse Universe

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



DD339A



FF14A3



DD3347



6E6369



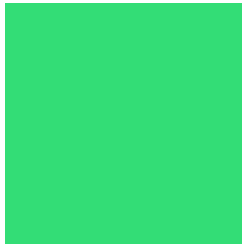
AD0069



2E001C

Previews

White Background



This preview shows how the Hex color 33DD76 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 33DD76 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

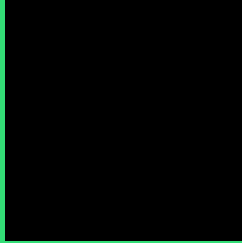
Any Text WCAG AA ✓ Pass

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 33DD76 Background



This preview shows how black text looks on a background with the Hex color 33DD76.

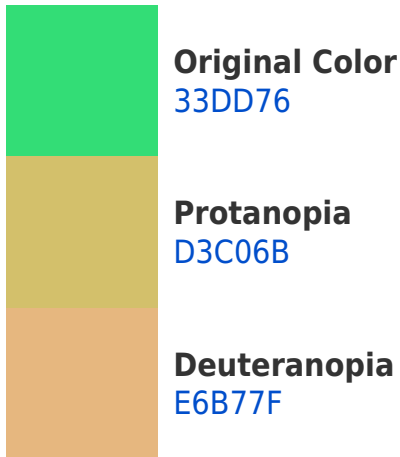


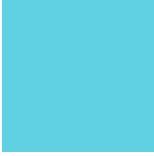
This preview shows how white text looks on a background with the Hex color 33DD76.

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
5FD1E2

Trichromacy



Original Color
33DD76



Protanomaly
99CB6F



Deuteranomaly
A5C57C



Tritanomaly
4FD5BB

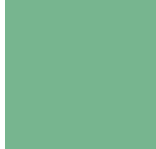
Monochromacy



Original Color
33DD76



Achromatopsia
9E9E9E



Achromatomaly
77B58F

CSS Examples

Text

The CSS property to change the color of the text to Hex 33DD76 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 #33DD76 looks like.

```
.text, #text, p{  
    color:#33DD76  
}
```

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 #33DD76 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33DD76
}
```

Border

The CSS property to change the border of an element to Hex 33DD76 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
#33DD76 }
```

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

```
.border{ border-color:#33DD76 }
```

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

Here you see how a box with a 4 pixel #33DD76 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33DD76; -webkit-box-shadow:4px 4px  
4px 4px #33DD76; box-shadow:4px 4px 4px  
4px #33DD76 }
```

Background

The CSS property to change the background color of an element to Hex 33DD76 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33DD76 }
```

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

```
.background{ background-color:#33DD76 }
```

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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