

Converting Colors

Hex(2DD136)

Have a look what the booklet for
Hex(2DD136) contains.

Hex(2DD136)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(2DD136)

Conversions

Conversions Part 1

Format	Color
Hex	2DD136
RGB	45, 209, 54
RGB Percent	18%, 82%, 21%
CMY	0.8235, 0.1804, 0.7882
CMYK	0.78, 0.00, 0.74, 0.18
HSL	123°, 65%, 50%
HSV	123°, 78%, 82%
XYZ	24.5485, 46.4252, 11.1571
YIQ	142.2940, -47.9890, -82.9730

Conversions

Conversions Part 2

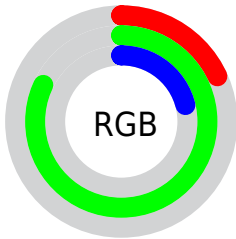
Format	Color
RYB	45, 200, 209
Decimal	3002678
CIELab	73.82, -68.74, 61.27
CIELCh	74, 92.084, 138.286
Yxy	46.4252, 0.2989, 0.5653
Android (android.graphics.Color)	4281192758 (0xFF2DD136)
YUV	142.2940, -43.5289, -85.3268
Hunter-Lab	68.1360, -54.9268, 37.9866

Details

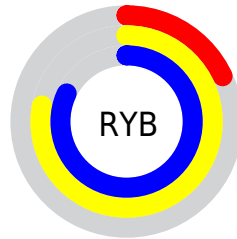
The Hex color **2DD136** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **D12DC8**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **77FF6E**, and **009900** is the 20% darker color. If you saturate the color by 10%, you get **18D122**, and if you desaturate by 10%, it is **42D14A**.

Distribution



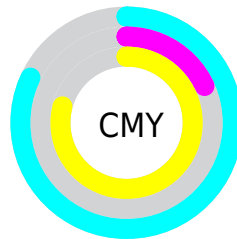
- Red (18%)
- Green (82%)
- Blue (21%)



- Red (18%)
- Yellow (78%)
- Blue (82%)



- Cyan (78%)
- Magenta (0%)
- Yellow (74%)
- Black (18%)



- Cyan (82%)
- Magenta (18%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2DD136 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 2DD136 by changing the saturation by 10% instead.

 2DD136

 2DD136

FFFFFF

 00B513

 77FF6E

 009900

 97FF8A

 007E00

 B6FFA6

 006300

 D5FFC3

 004A00

 F4FFE0

 003200

FFFFFFD

 001600

 000000

 2DD136

 2DD136

 18D122


 42D14A

 03D10E

 57D15E

 00D10B

 6CD171

 81D185

 96D199

 AAD1AD

 BFD1C0

 D4D1D4

 E9D1E8

Harmonies

Analogous

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



A9C100



2DD136



00D990

Triad

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



2DD136



00C9FF



FF5786

Complementary

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



2DD136



D12DC8

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.



FF59DA



2DD136



57AEFF

Square

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



2DD136



00D7FF



F884FF



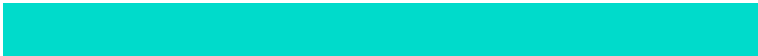
FF7E35

Rectangle

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



2DD136



00BCB



F884FF



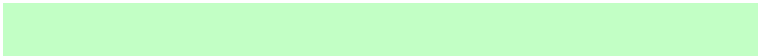
FF50A2

Sweetspot

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



2DD136



C2FFC5



C9D12D



5B805D



000000



808080

Same Dimension

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



2DD136



0FFF1C



2DD187



5E695F



00A809



002902

Inverse Universe

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



D12DC8



FF0FF2



D12D77



695E68



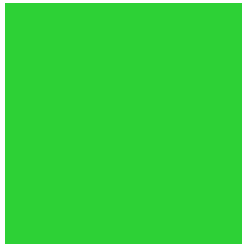
A8009F



290027

Previews

White Background



This preview shows how the Hex color 2DD136 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 2DD136 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 2DD136 Background



This preview shows how black text looks on a background with the Hex color 2DD136.

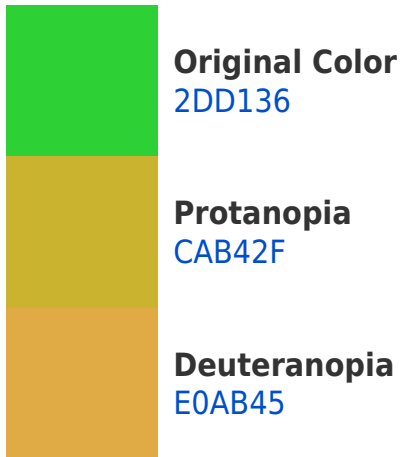


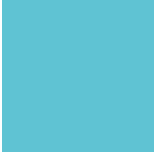
This preview shows how white text looks on a background with the Hex color 2DD136.

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](#).

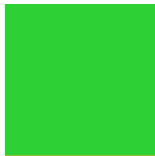
Dichromacy





Tritanopia
5FC3D3

Trichromacy



Original Color
2DD136



Protanomaly
91BF32



Deuteranomaly
9FB940



Tritanomaly
4DC89A

Monochromacy



Original Color
2DD136



Achromatopsia
8E8E8E



Achromatomaly
6BA66E

CSS Examples

Text

The CSS property to change the color of the text to Hex 2DD136 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 #2DD136 looks like.

```
.text, #text, p{  
    color:#2DD136  
}
```

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 #2DD136 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DD136
}
```

Border

The CSS property to change the border of an element to Hex 2DD136 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
#2DD136 }
```

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

```
.border{ border-color:#2DD136 }
```

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

Here you see how a box with a 4 pixel #2DD136 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DD136; -webkit-box-shadow:4px 4px  
4px 4px #2DD136; box-shadow:4px 4px 4px  
4px #2DD136 }
```

Background

The CSS property to change the background color of an element to Hex 2DD136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DD136 }
```

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

```
.background{ background-color:#2DD136 }
```

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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