

Converting Colors

Hex(2DEB39)

Have a look what the booklet for
Hex(2DEB39) contains.

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Color

Hex(2DEB39)

Conversions

Conversions Part 1

Format	Color
Hex	2DEB39
RGB	45, 235, 57
RGB Percent	18%, 92%, 22%
CMY	0.8235, 0.0784, 0.7765
CMYK	0.81, 0.00, 0.76, 0.08
HSL	124°, 83%, 55%
HSV	124°, 81%, 92%
XYZ	31.5290, 60.2700, 13.8424
YIQ	157.8980, -56.1020, -95.6380

Conversions

Conversions Part 2

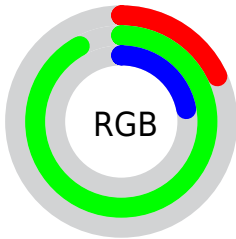
Format	Color
RYB	45, 224, 235
Decimal	3009337
CIELab	81.98, -76.23, 68.37
CIELCh	82, 102.399, 138.109
Yxy	60.2700, 0.2985, 0.5705
Android (android.graphics.Color)	4281199417 (0xFF2DEB39)
YUV	157.8980, -49.7427, -99.0115
Hunter-Lab	77.6337, -63.3656, 43.7720

Details

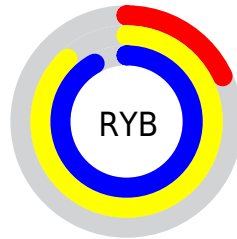
The Hex color **2DEB39** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **EB2DDF**, and the grayscale version is **9E9E9E**.

A 20% lighter version of the original color is **7DFF74**, and **00B100** is the 20% darker color. If you saturate the color by 10%, you get **16EB23**, and if you desaturate by 10%, it is **45EB4F**.

Distribution



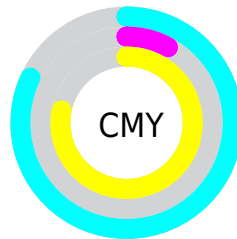
- Red (18%)
- Green (92%)
- Blue (22%)



- Red (18%)
- Yellow (88%)
- Blue (92%)



- Cyan (81%)
- Magenta (0%)
- Yellow (76%)
- Black (8%)



- Cyan (82%)
- Magenta (8%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2DEB39 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 2DEB39 by changing the saturation by 10% instead.

 2DEB39

 2DEB39

FFFFFF

 00CE12

 7DFF74

 00B100

 9EFF90

 009600

 BEFFAD

 007A00

 DEFFCA

 006000

 FEF7E7

 004600

 002D00

 000D00

 000000

 2DEB39

 2DEB39

 16EB23

 45EB4F

 00EB0F

 5CEB65

 74EB7B

 8BEB91

 A3EBA7

 BAEBBD

 D2EBD3

 E9EBE9

 FFEbff

Harmonies

Analogous

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



BED900



2DEB39



00F4A1

Triad

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



2DEB39



00E3FF



FF5E97

Complementary

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



2DEB39



EB2DDF

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.



FF60F6



2DEB39



59C3FF

Square

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



2DEB39



00F2FF



FF93FF



FF8D3A

Rectangle

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



2DEB39



00F6E4



FF93FF



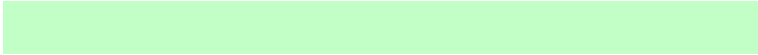
FF56B6

Sweetspot

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



2DEB39



C2FFC6



E2EB2D



5B805D



000000



808080

Same Dimension

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



2DEB39



08FF17



2DEB95



6A756A



00B50B



003603

Inverse Universe

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



EB2DDF



FF08EF



EB2D82



756A75



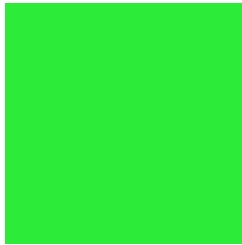
B500AA



360032

Previews

White Background



This preview shows how the Hex color 2DEB39 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 2DEB39 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 2DEB39 Background



This preview shows how black text looks on a background with the Hex color 2DEB39.

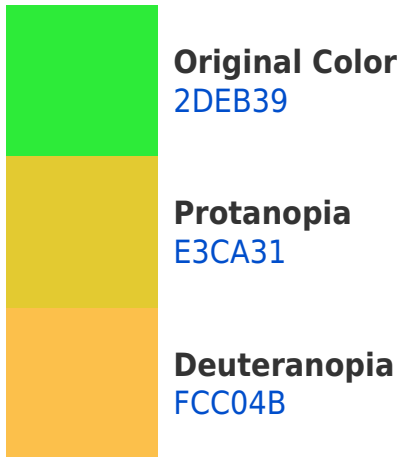


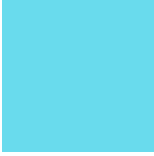
This preview shows how white text looks on a background with the Hex color 2DEB39.

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](#).

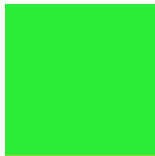
Dichromacy





Tritanopia
69DBED

Trichromacy



Original Color
2DEB39



Protanomaly
A1D634

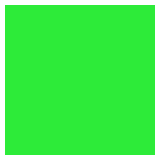


Deuteranomaly
B1D044



Tritanomaly
53E1AC

Monochromacy



Original Color
2DEB39



Achromatopsia
9E9E9E



Achromatomaly
75BA79

CSS Examples

Text

The CSS property to change the color of the text to Hex 2DEB39 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 #2DEB39 looks like.

```
.text, #text, p{  
    color:#2DEB39  
}
```

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 #2DEB39 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DEB39
}
```

Border

The CSS property to change the border of an element to Hex 2DEB39 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
#2DEB39 }
```

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

```
.border{ border-color:#2DEB39 }
```

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

Here you see how a box with a 4 pixel #2DEB39 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DEB39; -webkit-box-shadow:4px 4px  
4px 4px #2DEB39; box-shadow:4px 4px 4px  
4px #2DEB39 }
```

Background

The CSS property to change the background color of an element to Hex 2DEB39 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DEB39 }
```

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

```
.background{ background-color:#2DEB39 }
```

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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