

# Converting Colors

Hex(2DE171)

Have a look what the booklet for  
Hex(2DE171) contains.

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# Color

**Hex(2DE171)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DE171
RGB	45, 225, 113
RGB Percent	18%, 88%, 44%
CMY	0.8235, 0.1176, 0.5569
CMYK	0.80, 0.00, 0.50, 0.12
HSL	143°, 75%, 53%
HSV	143°, 80%, 88%
XYZ	30.9880, 55.6006, 24.7215
YIQ	158.4120, -71.3280, -72.9920

# Conversions

## Conversions Part 2

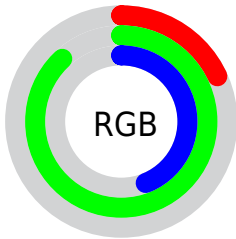
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 176, 225
Decimal	3006833
CIELab	79.39, -67.02, 42.45
CIElCh	79, 79.328, 147.651
Yxy	55.6006, 0.2784, 0.4995
Android (android.graphics.Color)	4281196913 (0xFF2DE171)
YUV	158.4120, -22.3881, -99.4623
Hunter-Lab	74.5658, -56.3091, 32.5391

# Details

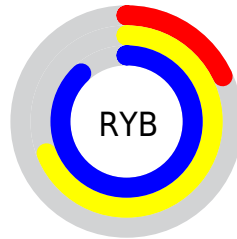
The Hex color **2DE171** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **E12D9D**, and the grayscale version is **9F9F9F**.

A 20% lighter version of the original color is **79FFA7**, and **00A83E** is the 20% darker color. If you saturate the color by 10%, you get **16E163**, and if you desaturate by 10%, it is **44E17F**.

# Distribution



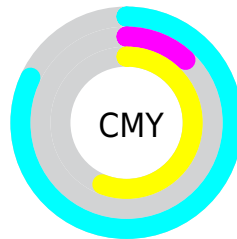
- Red (18%)
- Green (88%)
- Blue (44%)



- Red (18%)
- Yellow (69%)
- Blue (88%)



- Cyan (80%)
- Magenta (0%)
- Yellow (50%)
- Black (12%)



- Cyan (82%)
- Magenta (12%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2DE171 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 2DE171 by changing the saturation by 10% instead.



 2DE171

 2DE171

FFFFFF

 00C457

 79FFA7

 00A83E

 99FFC2

 008D24

 B8FFDF

 007205

 D7FFFC

 005800

 F6FFFF

 003F00

 002600

 000000

 2DE171

 2DE171

 16E163

 44E17F

 00E155

 5AE18D

 71E19B

 87E1A9

 9DE1B7

 B4E1C5

 CBE1D3

 E1E1E1

 F8E1EF

# Harmonies

## Analogous

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



A6D430



2DE171



00E7BC

# Triad

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



2DE171



00CFFF



FF8585

# Complementary

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



2DE171



E12D9D

# 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.



FF7CCE



2DE171



B9B4FF

# Square

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



2DE171



00E0FF



FF92FF



FFA245

# Rectangle

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



2DE171



00E7EF



FF92FF



FF7E9C

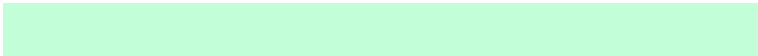


# Sweetspot

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



2DE171



C2FFD9



9FE12D



5B8068



000000



808080



# Same Dimension

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



2DE171



0AFF67



2DE1C9



657069



00B042



003012



# Inverse Universe

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



E12D9D



FF0AA3



E12D45



70656C



B0006D



30001E



# Previews

## White Background



This preview shows how the Hex color 2DE171 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 2DE171 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 2DE171 Background



This preview shows how black text looks on a background with the Hex color 2DE171.

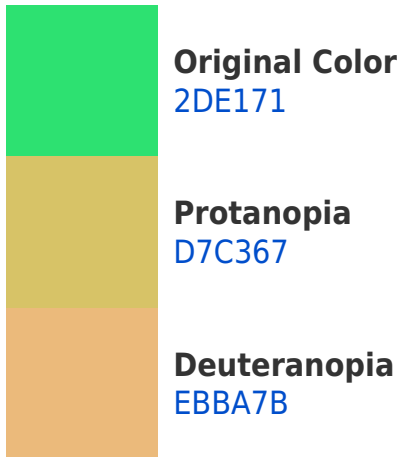


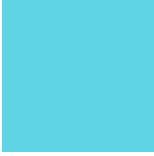
This preview shows how white text looks on a background with the Hex color 2DE171.

# 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**  
5FD4E5

# Trichromacy



**Original Color**  
2DE171



**Protanomaly**  
99CE6B



**Deuteranomaly**  
A6C877



**Tritanomaly**  
4DD9BB

# Monochromacy



**Original Color**  
2DE171



**Achromatopsia**  
9E9E9E



**Achromatomaly**  
75B68E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2DE171 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 #2DE171 looks like.

```
.text, #text, p{  
    color:#2DE171  
}
```

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 #2DE171 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DE171
}
```

## Border

The CSS property to change the border of an element to Hex 2DE171 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
#2DE171 }
```

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

```
.border{ border-color:#2DE171 }
```

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

Here you see how a box with a 4 pixel #2DE171 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DE171; -webkit-box-shadow:4px 4px  
4px 4px #2DE171; box-shadow:4px 4px 4px  
4px #2DE171 }
```

# Background

The CSS property to change the background color of an element to Hex 2DE171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DE171 }
```

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

```
.background{ background-color:#2DE171 }
```

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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