

# Converting Colors

Hex(2DDF89)

Have a look what the booklet for  
Hex(2DDF89) contains.

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# Color

**Hex(2DDF89)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DDF89
RGB	45, 223, 137
RGB Percent	18%, 87%, 54%
CMY	0.8235, 0.1255, 0.4627
CMYK	0.80, 0.00, 0.39, 0.13
HSL	151°, 74%, 53%
HSV	151°, 80%, 87%
XYZ	31.9852, 55.1394, 32.6241
YIQ	159.9740, -78.4820, -64.4820

# Conversions

## Conversions Part 2

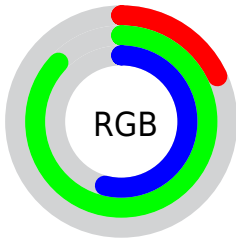
Format	Color
<a href="#">RYB</a>	<a href="#">45, 162, 223</a>
Decimal	<a href="#">3006345</a>
CIELab	<a href="#">79.12, -62.22, 30.17</a>
CIELCh	<a href="#">79, 69.154, 154.132</a>
Yxy	<a href="#">55.1394, 0.2671, 0.4605</a>
Android (android.graphics.Color)	<a href="#">4281196425 (0xFF2DDF89)</a>
YUV	<a href="#">159.9740, -11.3262, -100.8322</a>
Hunter-Lab	<a href="#">74.2559, -53.0602, 25.9303</a>

# Details

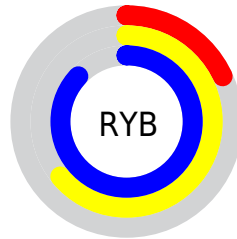
The Hex color **2DDF89** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **DF2D83**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **78FFBF**, and **00A656** is the 20% darker color. If you saturate the color by 10%, you get **17DF7E**, and if you desaturate by 10%, it is **43DF94**.

# Distribution



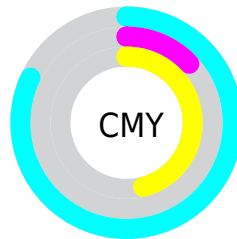
- Red (18%)
- Green (87%)
- Blue (54%)



- Red (18%)
- Yellow (64%)
- Blue (87%)



- Cyan (80%)
- Magenta (0%)
- Yellow (39%)
- Black (13%)



- Cyan (82%)
- Magenta (13%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2DDF89 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 2DDF89 by changing the saturation by 10% instead.



 2DDF89

 2DDF89

FFFFFF

 00C26F

 78FFBF

 00A656

 98FFDB

 008B3E

 B7FFF8

 007026

 D6FFFF

 00560E

 F5FFFF

 003D00

 002600

 000000

 2DDF89

 2DDF89

 17DF7E

 43DF94

 00DF73

 5ADF9F

 70DFA9

 86DFB4

 9DDFBF

 B3DFCA

 C9DFD4

 DFD FDF

 F6DFEA

# Harmonies

## Analogous

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



9CD552



2DDF89



00E3CB

# Triad

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



2DDF89



42C8FF



FF937F

# Complementary

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



2DDF89



DF2D83

# 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.



FF88BE



2DDF89



D2AFFF

# Square

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



2DDF89



00D9FF



FF95FD



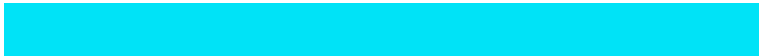
FFAC4E

# Rectangle

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



2DDF89



00E3F7



FF95FD



FF8D93

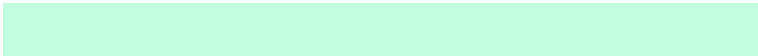


# Sweetspot

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



2DDF89



C2FFE1



83DF2D



5B806E



000000



808080



# Same Dimension

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



2DDF89



0AFF89



2DDCDF



65706B



00B05B



003019



# Inverse Universe

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



DF2D83



FF0A80



DF302D



70656A



B00055

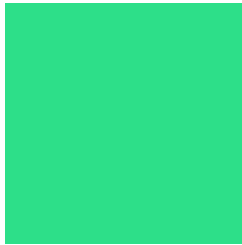


300017



# Previews

## White Background



This preview shows how the Hex color 2DDF89 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 2DDF89 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

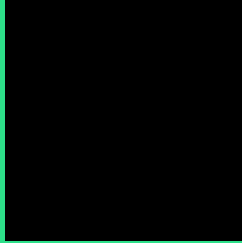
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 2DDF89 Background



This preview shows how black text looks on a background with the Hex color 2DDF89.

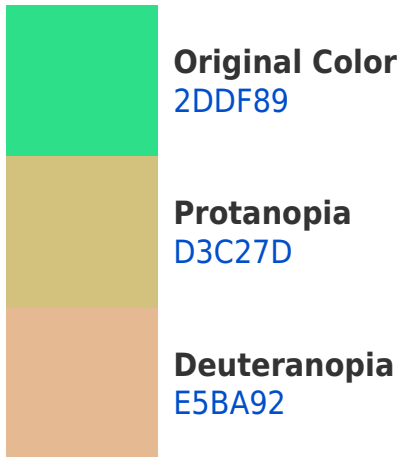


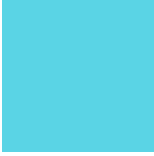
This preview shows how white text looks on a background with the Hex color 2DDF89.

# 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**  
5AD4E5

# Trichromacy



**Original Color**  
2DDF89



**Protanomaly**  
97CD81



**Deuteranomaly**  
A2C78F



**Tritanomaly**  
4AD8C4

# Monochromacy



**Original Color**  
2DDF89



**Achromatopsia**  
A0A0A0



**Achromatomaly**  
76B798

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2DDF89 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 #2DDF89 looks like.

```
.text, #text, p{  
    color:#2DDF89  
}
```

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 #2DDF89 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DDF89
}
```

## Border

The CSS property to change the border of an element to Hex 2DDF89 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
#2DDF89 }
```

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

```
.border{ border-color:#2DDF89 }
```

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

Here you see how a box with a 4 pixel #2DDF89 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DDF89; -webkit-box-shadow:4px 4px  
4px 4px #2DDF89; box-shadow:4px 4px 4px  
4px #2DDF89 }
```

# Background

The CSS property to change the background color of an element to Hex 2DDF89 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DDF89 }
```

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

```
.background{ background-color:#2DDF89 }
```

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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