

# Converting Colors

Hex(00D876)

Have a look what the booklet for  
Hex(00D876) contains.

<b>Hex(00D876)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(00D876)

# Conversions

## Conversions Part 1

Format	Color
Hex	00D876
RGB	0, 216, 118
RGB Percent	0%, 85%, 46%
CMY	1.0000, 0.1529, 0.5373
CMYK	1.00, 0.00, 0.45, 0.15
HSL	153°, 100%, 42%
HSV	153°, 100%, 85%
XYZ	27.8259, 50.4197, 25.4050
YIQ	140.2440, -97.2780, -76.2700

# Conversions

## Conversions Part 2

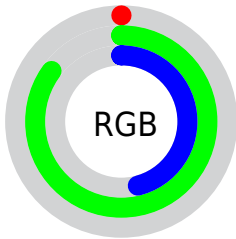
Format	Color
<b>RYB</b>	0, 140, 216
Decimal	55414
CIELab	76.33, -65.96, 36.06
CIElCh	76, 75.169, 151.335
Yxy	50.4197, 0.2685, 0.4864
Android (android.graphics.Color)	4278245494 (0xFF00D876)
YUV	140.2440, -10.9663, -122.9940
Hunter-Lab	71.0069, -54.3121, 28.4919

# Details

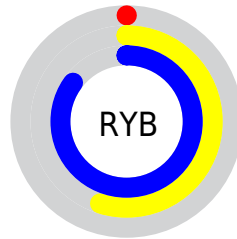
The Hex color **00D876** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **D80062**, and the grayscale version is **8C8C8C**.

A 20% lighter version of the original color is **69FFAB**, and **00A044** is the 20% darker color. If you saturate the color by 10%, you get **00D876**, and if you desaturate by 10%, it is **16D880**.

# Distribution



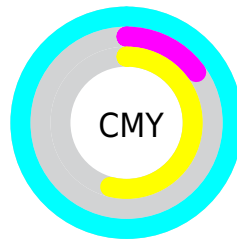
- Red (0%)
- Green (85%)
- Blue (46%)



- Red (0%)
- Yellow (55%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (15%)



- Cyan (100%)
- Magenta (15%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00D876 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 00D876 by changing the saturation by 10% instead.



 00D876

 00D876

FFFFFF

 00BB5C

 69FFAB

 00A044

 8AFFC7

 00842B

 AAFFE3

 006A12

 C9FFFF

 005000

 E8FFFF

 003800

 001E00

 000000

 00D876

 16D880

 2BD88A

 41D893

 56D89D

 6CD8A7

 82D8B1

 97D8BB

 ADD8C4

 C2D8CE

# Harmonies

## Analogous

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



96CD38



00D876



00DDBD

# Triad

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



00D876



00C3FF



FF8378

# Complementary

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



00D876



D80062

# 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.



FF78BC



00D876



C0A8FF

# Square

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



00D876



00D4FF



FF8AFF



FF9F3E

# Rectangle

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



00D876



00DDED



FF8AFF



FF7D8E

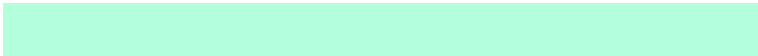


# Sweetspot

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



00D876



B3FFDC



65D800



52806B



000000



808080



# Same Dimension

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



00D876



00FF8B



00D1D8



606B66



00AB5D



002B18



# Inverse Universe

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



D80062



FF0074



D80700



6B6065



AB004E



2B0014



# Previews

## White Background



This preview shows how the Hex color 00D876 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 00D876 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 00D876 Background



This preview shows how black text looks on a background with the Hex color 00D876.

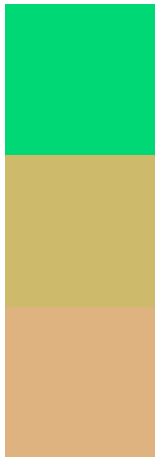


This preview shows how white text looks on a background with the Hex color 00D876.

# 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](#).

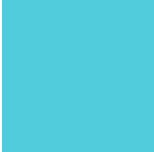
## Dichromacy



**Original Color**  
00D876

**Protanopia**  
CDBB6B

**Deuteranopia**  
DFB37F



# Trichromacy



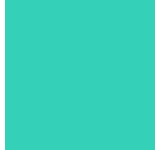
**Original Color**  
00D876



**Protanomaly**  
82C66F



**Deuteranomaly**  
8EC07C



**Tritanomaly**  
34D0B8

# Monochromacy



**Original Color**  
00D876



**Achromatopsia**  
8C8C8C



**Achromatomaly**  
59A884

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00D876 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 #00D876 looks like.

```
.text, #text, p{  
    color:#00D876  
}
```

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 #00D876 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00D876
}
```

## Border

The CSS property to change the border of an element to Hex 00D876 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
#00D876 }
```

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

```
.border{ border-color:#00D876 }
```

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

Here you see how a box with a 4 pixel #00D876 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00D876; -webkit-box-shadow:4px 4px  
4px 4px #00D876; box-shadow:4px 4px 4px  
4px #00D876 }
```

# Background

The CSS property to change the background color of an element to Hex 00D876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00D876 }
```

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

```
.background{ background-color:#00D876 }
```

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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