

# Converting Colors

Hex(00D77B)

Have a look what the booklet for  
Hex(00D77B) contains.

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# Color

Hex(00D77B)

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 00D77B                       |
| RGB         | 0, 215, 123                  |
| RGB Percent | 0%, 84%, 48%                 |
| CMY         | 1.0000, 0.1569, 0.5176       |
| CMYK        | 1.00, 0.00, 0.43, 0.16       |
| HSL         | 154°, 100%, 42%              |
| HSV         | 154°, 100%, 84%              |
| XYZ         | 27.8756, 50.0309, 26.9266    |
| YIQ         | 140.2270, -98.6080, -74.1920 |

# Conversions

## Conversions Part 2

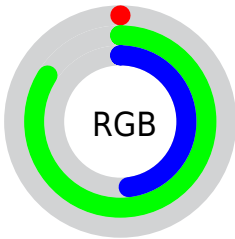
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 0, 137, 215                     |
| Decimal                             | 55163                           |
| CIELab                              | 76.09, -64.73, 33.24            |
| CIELCh                              | 76, 72.767, 152.822             |
| Yxy                                 | 50.0309, 0.2659,<br>0.4772      |
| Android<br>(android.graphics.Color) | 4278245243<br>(0xFF00D77B)      |
| YUV                                 | 140.2270, -8.4929,<br>-122.9791 |
| Hunter-Lab                          | 70.7326, -53.4354,<br>26.9421   |

# Details

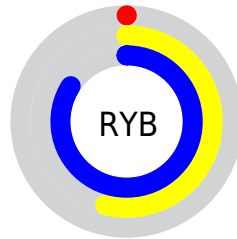
The Hex color **00D77B** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **D7005C**, and the grayscale version is **8C8C8C**.

A 20% lighter version of the original color is **69FFB0**, and **009F49** is the 20% darker color. If you saturate the color by 10%, you get **00D77B**, and if you desaturate by 10%, it is **15D784**.

# Distribution



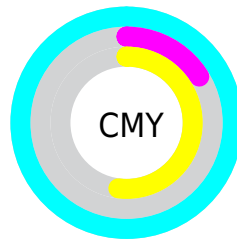
- Red (0%)
- Green (84%)
- Blue (48%)



- Red (0%)
- Yellow (54%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (16%)



- Cyan (100%)
- Magenta (16%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00D77B 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 00D77B by changing the saturation by 10% instead.



 00D77B


 00D77B

FFFFFF

 00BA61

 69FFB0

 009F49

 89FFCC

 008330

 A9FFE9

 006918

 C8FFFF

 004F00

 E7FFFF

 003700

 001E00

 000000

 00D77B

 15D784

 2BD78D

 41D797

 56D7A0

 6CD7A9

 81D7B2

 97D7BB

 ACD7C5

 C2D7CE

# Harmonies

## Analogous

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



93CC40



00D77B



00DBC0

# Triad

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



00D77B



00C1FF



FF8677

# Complementary

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



00D77B



D7005C

# 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.



FF7BB8



00D77B



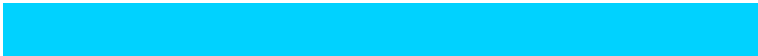
C5A7FF

# Square

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



00D77B



00D2FF



FF8AFA



FFA140

# Rectangle

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



00D77B



00DBEE



FF8AFA



FF808C

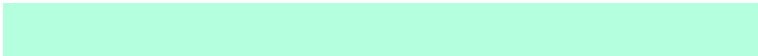


# Sweetspot

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



00D77B



B3FFDE



5DD700



52806C



000000



808080



# Same Dimension

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



00D77B



00FF92



00C9D7



606B67



00AB62



002B19



# Inverse Universe

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



D7005C



FF006D



D70E00



6B6065



AB0049



2B0013



# Previews

## White Background



This preview shows how the Hex color 00D77B 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 00D77B 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 00D77B Background



This preview shows how black text looks on a background with the Hex color 00D77B.

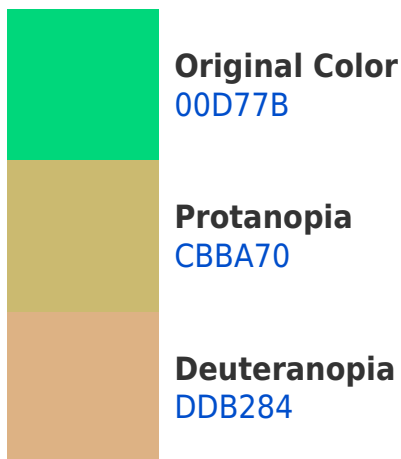


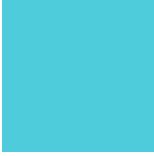
This preview shows how white text looks on a background with the Hex color 00D77B.

# 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





# Trichromacy



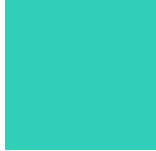
**Original Color**  
00D77B



**Protanomaly**  
81C574

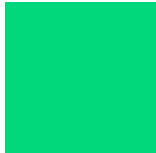


**Deuteranomaly**  
8DBF81



**Tritanomaly**  
32D0B9

# Monochromacy



**Original Color**  
00D77B



**Achromatopsia**  
8C8C8C



**Achromatomaly**  
59A786

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00D77B 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 #00D77B looks like.

```
.text, #text, p{  
    color:#00D77B  
}
```

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 #00D77B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00D77B
}
```

## Border

The CSS property to change the border of an element to Hex 00D77B 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
#00D77B }
```

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

```
.border{ border-color:#00D77B }
```

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

Here you see how a box with a 4 pixel #00D77B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00D77B; -webkit-box-shadow:4px 4px  
4px 4px #00D77B; box-shadow:4px 4px 4px  
4px #00D77B }
```

# Background

The CSS property to change the background color of an element to Hex 00D77B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00D77B }
```

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

```
.background{ background-color:#00D77B }
```

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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