

# Converting Colors

Hex(00D750)

Have a look what the booklet for  
Hex(00D750) contains.

<b>Hex(00D750)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(00D750)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D750
RGB	0, 215, 80
RGB Percent	0%, 84%, 31%
CMY	1.0000, 0.1569, 0.6863
CMYK	1.00, 0.00, 0.63, 0.16
HSL	142°, 100%, 42%
HSV	142°, 100%, 84%
XYZ	25.7484, 49.1801, 15.7250
YIQ	135.3250, -84.8050, -87.5650

# Conversions

## Conversions Part 2

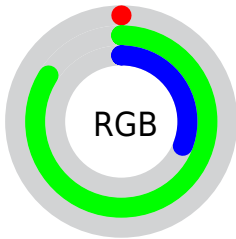
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 157, 215
Decimal	55120
CIELab	75.56, -71.14, 52.94
CIELCh	76, 88.678, 143.349
Yxy	49.1801, 0.2840, 0.5425
Android (android.graphics.Color)	4278245200 (0xFF00D750)
YUV	135.3250, -27.2752, -118.6800
Hunter-Lab	70.1285, -57.1867, 35.7952

# Details

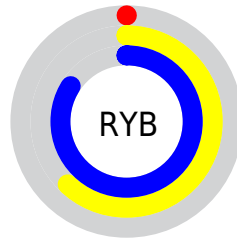
The Hex color **00D750** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **D70087**, and the grayscale version is **888888**.

A 20% lighter version of the original color is **6AFF86**, and **009E16** is the 20% darker color. If you saturate the color by 10%, you get **00D750**, and if you desaturate by 10%, it is **15D75D**.

# Distribution



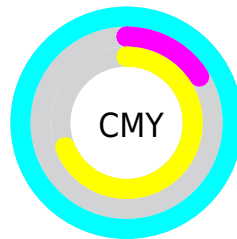
- Red (0%)
- Green (84%)
- Blue (31%)



- Red (0%)
- Yellow (62%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (16%)



- Cyan (100%)
- Magenta (16%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00D750 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 00D750 by changing the saturation by 10% instead.



 00D750

 00D750

FFFFFF

 00BA35

 6AFF86

 009E16

 8BFFA1

 008300

 ABFFBD

 006800

 CAFFDA

 004E00

 E9FFF7

 003700

 001C00

 000000

 00D750

 15D75D

 2BD76B

 41D778

 56D786

 6CD793

 81D7A1

 97D7AF

 ACD7BC

 C2D7CA

# Harmonies

## Analogous

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



A1C900



00D750



00DEA5

# Triad

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



00D750



00CAFF



FF687F

# Complementary

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



00D750



D70087

# 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.



FF61D0



00D750



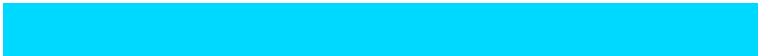
8EACFF

# Square

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



00D750



00D9FF



FF84FF



FF8D32

# Rectangle

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



00D750



00DFDE



FF84FF



FF6099

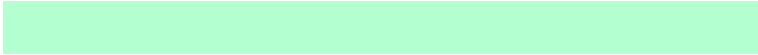


# Sweetspot

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



00D750



B3FFCF



88D700



528063



000000



808080



# Same Dimension

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



00D750



00FF5F



00D7BA



606B64



00AB40



002B10



# Inverse Universe

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



D70087



FF00A0



D7001D



6B6067



AB006B

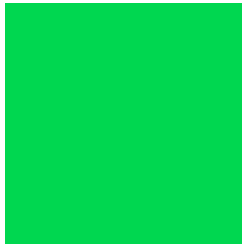


2B001B



# Previews

## White Background



This preview shows how the Hex color 00D750 looks on a white background.

## Color Contrast Check

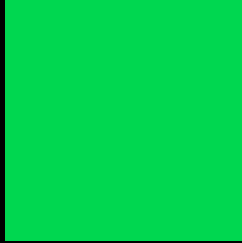
Large Text (above 18pt) WCAG AA × Fail

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 00D750 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 00D750 Background



This preview shows how black text looks on a background with the Hex color 00D750.

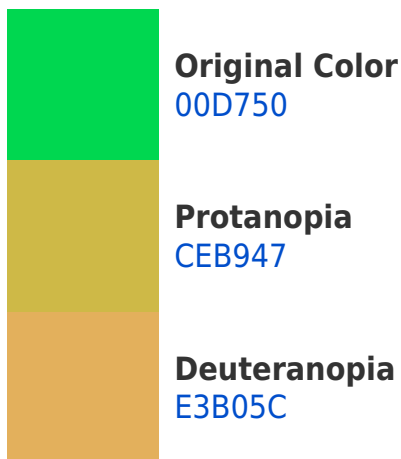


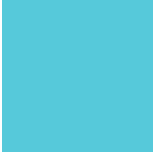
This preview shows how white text looks on a background with the Hex color 00D750.

# 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](#).

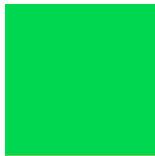
## Dichromacy





**Tritanopia**  
56C9DA

# Trichromacy



**Original Color**

00D750



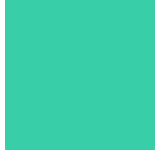
**Protanomaly**

83C44A



**Deuteranomaly**

90BE58



**Tritanomaly**

37CEA8

# Monochromacy



**Original Color**

00D750



**Achromatopsia**

878787



**Achromatomaly**

56A473

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00D750 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 #00D750 looks like.

```
.text, #text, p{  
    color:#00D750  
}
```

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 #00D750 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00D750
}
```

## Border

The CSS property to change the border of an element to Hex 00D750 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
#00D750 }
```

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

```
.border{ border-color:#00D750 }
```

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

Here you see how a box with a 4 pixel #00D750 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00D750; -webkit-box-shadow:4px 4px  
4px 4px #00D750; box-shadow:4px 4px 4px  
4px #00D750 }
```

# Background

The CSS property to change the background color of an element to Hex 00D750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00D750 }
```

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

```
.background{ background-color:#00D750 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor