

# Converting Colors

Hex(00DC30)

Have a look what the booklet for  
Hex(00DC30) contains.

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**Color**

**Hex(00DC30)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DC30
RGB	0, 220, 48
RGB Percent	0%, 86%, 19%
CMY	1.0000, 0.1373, 0.8118
CMYK	1.00, 0.00, 0.78, 0.14
HSL	133°, 100%, 43%
HSV	133°, 100%, 86%
XYZ	26.1267, 51.3998, 11.3404
YIQ	134.6120, -75.9080, -100.1320

# Conversions

## Conversions Part 2

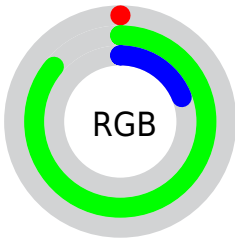
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 181, 220
Decimal	56368
CIELab	76.92, -75.42, 66.11
CIELCh	77, 100.291, 138.764
Yxy	51.3998, 0.2940, 0.5784
Android (android.graphics.Color)	4278246448 (0xFF00DC30)
YUV	134.6120, -42.6997, -118.0547
Hunter-Lab	71.6937, -60.4147, 40.8071

# Details

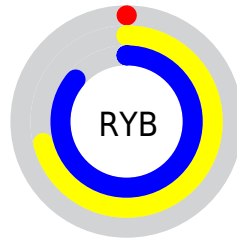
The Hex color **00DC30** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **DC00AC**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **6DFF6B**, and **00A300** is the 20% darker color. If you saturate the color by 10%, you get **00DC30**, and if you desaturate by 10%, it is **16DC41**.

# Distribution



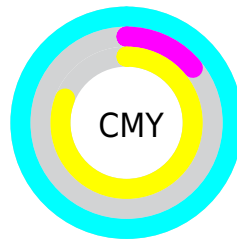
- Red (0%)
- Green (86%)
- Blue (19%)



- Red (0%)
- Yellow (71%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (14%)



- Cyan (100%)
- Magenta (14%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00DC30 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 00DC30 by changing the saturation by 10% instead.



 00DC30

 00DC30

FFFFFF

 00BF01

 6DFF6B

 00A300

 8EFF87

 008800

 AFFFA4

 006D00

 CEFFC0

 005200

 EEFFDD

 003A00

 FFFFFB

 002000

 000000

 00DC30

 16DC41

 2CDC52

 42DC64

 58DC75

 6EDC86

 84DC97

 9ADCA8

 B0DCBA

 C6DCCB

# Harmonies

## Analogous

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



AECB00



00DC30



00E497

# Triad

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



00DC30



00D3FF



FF5088

# Complementary

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



00DC30



DC00AC

# 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.



FF51E5



00DC30



50B5FF

# Square

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



00DC30



00E2FF



FF85FF



FF812D

# Rectangle

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



00DC30



00E6D8



FF85FF



FF47A7

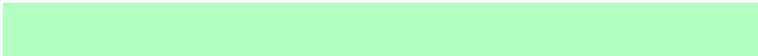


# Sweetspot

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



00DC30



B3FFC3



ACDC00



52805C



000000



808080



# Same Dimension

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



00DC30



00FF38



00DC9E



636E65



00AD26



002E0A



# Inverse Universe

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



DC00AC



FF00C7



DC003E



6E636B



AD0088

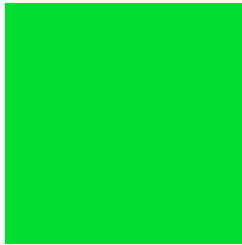


2E0024



# Previews

## White Background



This preview shows how the Hex color 00DC30 looks on a white background.

## Color Contrast Check

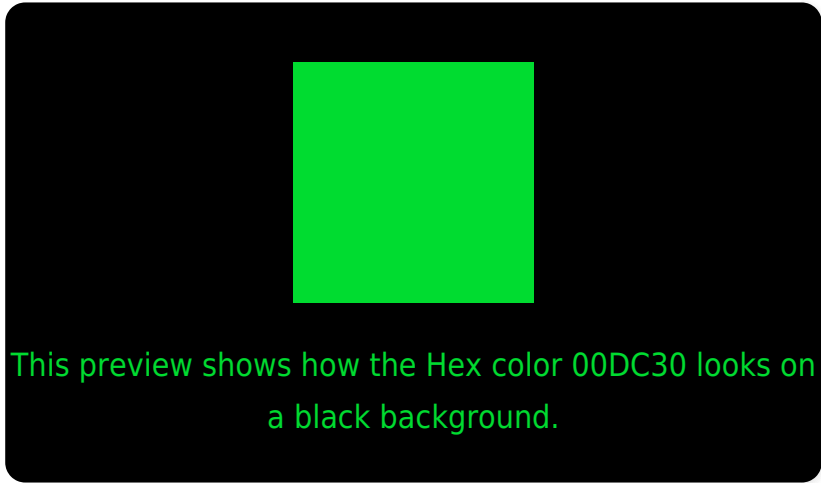
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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 00DC30 Background



This preview shows how black text looks on a background with the Hex color 00DC30.

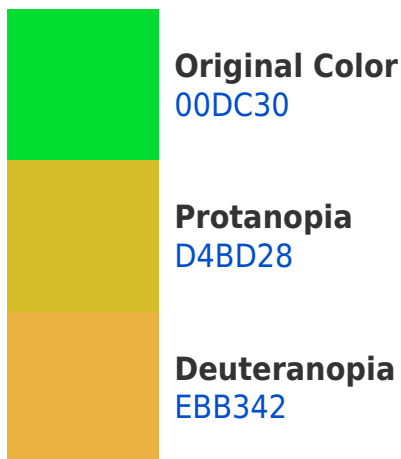


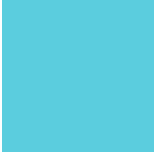
This preview shows how white text looks on a background with the Hex color 00DC30.

# 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**  
5BCDDE

# Trichromacy



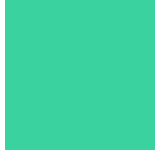
**Original Color**  
00DC30



**Protanomaly**  
87C82B



**Deuteranomaly**  
96C23B



**Tritanomaly**  
3AD29F

# Monochromacy



**Original Color**  
00DC30



**Achromatopsia**  
878787



**Achromatomaly**  
56A667

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00DC30 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 #00DC30 looks like.

```
.text, #text, p{  
    color:#00DC30  
}
```

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 #00DC30 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00DC30
}
```

## Border

The CSS property to change the border of an element to Hex 00DC30 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
#00DC30 }
```

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

```
.border{ border-color:#00DC30 }
```

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

Here you see how a box with a 4 pixel #00DC30 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00DC30; -webkit-box-shadow:4px 4px  
4px 4px #00DC30; box-shadow:4px 4px 4px  
4px #00DC30 }
```

# Background

The CSS property to change the background color of an element to Hex 00DC30 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00DC30 }
```

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

```
.background{ background-color:#00DC30 }
```

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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