

# Converting Colors

Hex(02E670)

Have a look what the booklet for  
Hex(02E670) contains.

<b>Hex(02E670)</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(02E670)**

# Conversions

## Conversions Part 1

Format	Color
Hex	02E670
RGB	2, 230, 112
RGB Percent	1%, 90%, 44%
CMY	0.9922, 0.0980, 0.5608
CMYK	0.99, 0.00, 0.51, 0.10
HSL	149°, 98%, 45%
HSV	149°, 99%, 90%
XYZ	31.2465, 57.7764, 24.8343
YIQ	148.3760, -98.0100, -85.0340

# Conversions

## Conversions Part 2

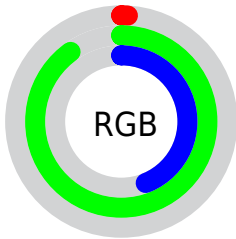
Format	Color
<b>RYB</b>	2, 156, 230
Decimal	190064
CIELab	80.61, -71.36, 44.38
CIELCh	81, 84.032, 148.121
Yxy	57.7764, 0.2744, 0.5074
Android (android.graphics.Color)	4278380144 (0xFF02E670)
YUV	148.3760, -17.9334, -128.3718
Hunter-Lab	76.0108, -59.6412, 33.8362

# Details

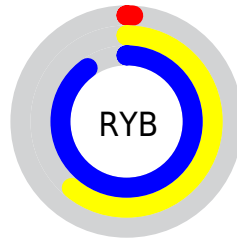
The Hex color **02E670** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **E60278**, and the grayscale version is **959595**.

A 20% lighter version of the original color is **6DFFA6**, and **00AD3C** is the 20% darker color. If you saturate the color by 10%, you get **00E66F**, and if you desaturate by 10%, it is **19E67C**.

# Distribution



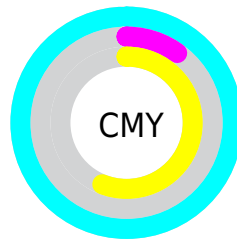
- Red (1%)
- Green (90%)
- Blue (44%)



- Red (1%)
- Yellow (61%)
- Blue (90%)



- Cyan (99%)
- Magenta (0%)
- Yellow (51%)
- Black (10%)



- Cyan (99%)
- Magenta (10%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 02E670 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 02E670 by changing the saturation by 10% instead.



 02E670

 02E670

FFFFFF

 00C956

 6DFFA6

 00AD3C

 8FFFC2

 009122

 AFFFDE

 007601

 CFFFFB

 005C00

 EEEFFF

 004200

 002900

 000400

 000000

 02E670

 02E670

 00E66F

 19E67C

 30E688

 47E694

 5EE6A0

 75E6AC

 8CE6B7

 A3E6C3

 BAE6CF

 D1E6DB

# Harmonies

## Analogous

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



A5D925



02E670



00ECC1

# Triad

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



02E670



00D3FF



FF8383

# Complementary

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



02E670



E60278

# 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.



FF78D0



02E670



BCB5FF

# Square

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



02E670



00E5FF



FF91FF



FFA33E

# Rectangle

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



02E670



00EDF7



FF91FF



FF7B9C

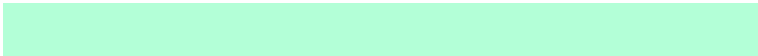


# Sweetspot

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



02E670



B3FFD7



7CE602



528068



000000



808080



# Same Dimension

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



02E670



00FF7B



02E6DE



67736D



00B356



003319



# Inverse Universe

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



E60278



FF0084



E6020A



73676D



B3005C



33001A



# Previews

## White Background



This preview shows how the Hex color 02E670 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 02E670 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 02E670 Background



This preview shows how black text looks on a background with the Hex color 02E670.

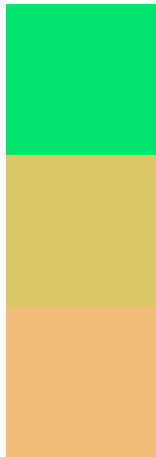


This preview shows how white text looks on a background with the Hex color 02E670.

# 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](#).

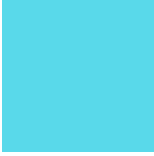
## Dichromacy



**Original Color**  
02E670

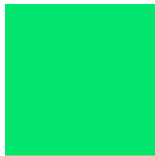
**Protanopia**  
DBC665

**Deuteranopia**  
F0BD7A



**Tritanopia**  
59D9EA

# Trichromacy



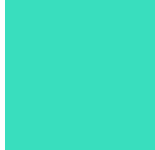
**Original Color**  
02E670



**Protanomaly**  
8CD269



**Deuteranomaly**  
99CC76



**Tritanomaly**  
39DEBE

# Monochromacy



**Original Color**  
02E670



**Achromatopsia**  
949494



**Achromatomaly**  
5FB287

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 02E670 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 #02E670 looks like.

```
.text, #text, p{  
    color:#02E670  
}
```

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 #02E670 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #02E670
}
```

## Border

The CSS property to change the border of an element to Hex 02E670 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
#02E670 }
```

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

```
.border{ border-color:#02E670 }
```

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

Here you see how a box with a 4 pixel #02E670 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #02E670; -webkit-box-shadow:4px 4px  
4px 4px #02E670; box-shadow:4px 4px 4px  
4px #02E670 }
```

# Background

The CSS property to change the background color of an element to Hex 02E670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#02E670 }
```

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

```
.background{ background-color:#02E670 }
```

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