

# Converting Colors

Hex(00FE45)

Have a look what the booklet for  
Hex(00FE45) contains.

<b>Hex(00FE45)</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(00FE45)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FE45
RGB	0, 254, 69
RGB Percent	0%, 100%, 27%
CMY	1.0000, 0.0039, 0.7294
CMYK	1.00, 0.00, 0.73, 0.00
HSL	136°, 100%, 50%
HSV	136°, 100%, 100%
XYZ	36.5160, 71.3133, 17.4705
YIQ	156.9640, -91.9990, -111.3830

# Conversions

## Conversions Part 2

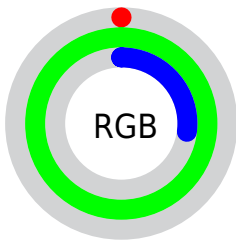
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 200, 254
Decimal	65093
CIELab	87.64, -83.23, 70.01
CIELCh	88, 108.755, 139.932
Yxy	71.3133, 0.2914, 0.5691
Android (android.graphics.Color)	4278255173 (0xFF00FE45)
YUV	156.9640, -43.3663, -137.6574
Hunter-Lab	84.4472, -70.5970, 46.8471

# Details

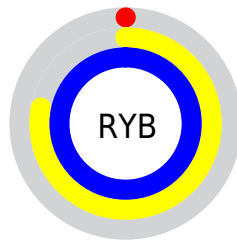
The Hex color **00FE45** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **FE00B9**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **76FF7F**, and **00C300** is the 20% darker color. If you saturate the color by 10%, you get **00FE45**, and if you desaturate by 10%, it is **19FE57**.

# Distribution



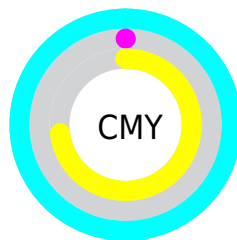
- Red (0%)
- Green (100%)
- Blue (27%)



- Red (0%)
- Yellow (78%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00FE45 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 00FE45 by changing the saturation by 10% instead.



 00FE45

 00FE45

FFFFFF

 00E023

 76FF7F

 00C300

 99FF9C

 00A700

 BAFFB9

 008B00

 DBFFD6

 007000

 FCFFF4

 005500

 003C00

 002200

 000000

 00FE45

 19FE57

 33FE6A

 4CFE7C

 66FE8F

 7FFEA1

 98FEB4

 B2FEC6

 CBFED9

 E5FEEB

# Harmonies

## Analogous

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



C6EB00



00FE45



00FFB4

# Triad

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



00FE45



00F3FF



FF679C

# Complementary

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



00FE45



FE00B9

# 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.



FF65FF



00FE45



78D0FF

# Square

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



00FE45



00FFFF



FF9BFF



FF9B37

# Rectangle

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



00FE45



00FFFD



FF9BFF



FF5DBE

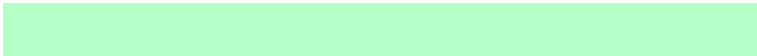


# Sweetspot

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



00FE45



B3FFC7



BAFE00



52805E



000000



808080



# Same Dimension

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



00FE45



00FF45



00FEC3



738076



00BF34



004011



# Inverse Universe

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



FE00B9



FF00BA



FE003B



80737C



BF008B

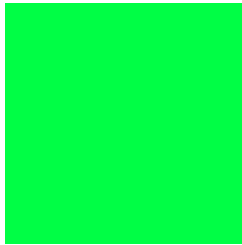


40002E



# Previews

## White Background



This preview shows how the Hex color 00FE45 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 00FE45 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

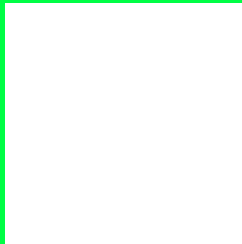
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 00FE45 Background



This preview shows how black text looks on a background with the Hex color 00FE45.

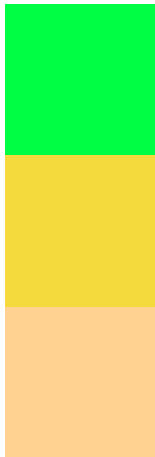


This preview shows how white text looks on a background with the Hex color 00FE45.

# 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**  
00FE45

**Protanopia**  
F4DA3C

**Deuteranopia**  
FFD291



**Tritanopia**  
6EECFE

# Trichromacy



**Original Color**  
00FE45



**Protanomaly**  
9BE73F

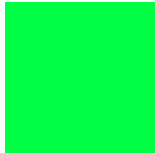


**Deuteranomaly**  
A2E275



**Tritanomaly**  
46F3BB

# Monochromacy



**Original Color**  
00FE45



**Achromatopsia**  
9D9D9D



**Achromatomaly**  
64C07D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00FE45 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 #00FE45 looks like.

```
.text, #text, p{  
    color:#00FE45  
}
```

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 #00FE45 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00FE45
}
```

## Border

The CSS property to change the border of an element to Hex 00FE45 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
#00FE45 }
```

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

```
.border{ border-color:#00FE45 }
```

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

Here you see how a box with a 4 pixel #00FE45 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00FE45; -webkit-box-shadow:4px 4px  
4px 4px #00FE45; box-shadow:4px 4px 4px  
4px #00FE45 }
```

# Background

The CSS property to change the background color of an element to Hex 00FE45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00FE45 }
```

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

```
.background{ background-color:#00FE45 }
```

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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