

# Converting Colors

Hex(00FF7B)

Have a look what the booklet for  
Hex(00FF7B) contains.

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# Color

Hex(00FF7B)

# Conversions

## Conversions Part 1

Format	Color
Hex	00FF7B
RGB	0, 255, 123
RGB Percent	0%, 100%, 48%
CMY	1.0000, 0.0000, 0.5176
CMYK	1.00, 0.00, 0.52, 0.00
HSL	149°, 100%, 50%
HSV	149°, 100%, 100%
XYZ	39.3352, 72.9501, 30.7465
YIQ	163.7070, -109.6080, -95.1120

# Conversions

## Conversions Part 2

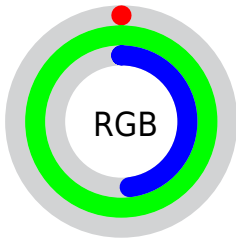
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 172, 255
Decimal	65403
CIELab	88.42, -77.50, 48.83
CIELCh	88, 91.596, 147.786
Yxy	72.9501, 0.2750, 0.5100
Android (android.graphics.Color)	4278255483 (0xFF00FF7B)
YUV	163.7070, -20.0686, -143.5710
Hunter-Lab	85.4108, -67.2624, 38.4441

# Details

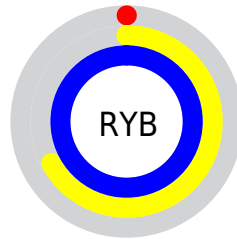
The Hex color **00FF7B** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **FF0084**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **74FFB2**, and **00C446** is the 20% darker color. If you saturate the color by 10%, you get **00FF7B**, and if you desaturate by 10%, it is **19FF88**.

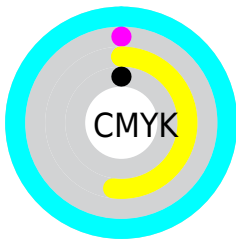
# Distribution



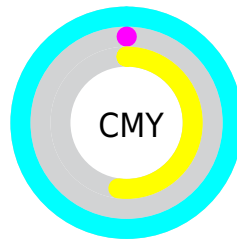
- Red (0%)
- Green (100%)
- Blue (48%)



- Red (0%)
- Yellow (67%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00FF7B 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 00FF7B by changing the saturation by 10% instead.



 00FF7B

FFFFFF


 74FFB2

 97FFCE

 B8FFEB

 D8FFFF

 F8FFFF

 00FF7B

 00E160

 00C446

 00A82B

 008C0A

 007100

 005700

 003E00

 002400

 000000

 00FF7B

 19FF88

 33FF95

 4DFFA3

 66FFB0

 80FFBD

 99FFCA

 B3FFD7

 CCFFE5

 E6FFF2

# Harmonies

## Analogous

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



B8F126



00FF7B



00FFD4

# Triad

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



00FF7B



00EAFF



FF9092

# Complementary

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



00FF7B



FF0084

# 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.



FF85E8



00FF7B



CEC9FF

# Square

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



00FF7B



00FEFF



FFA1FF



FFB545

# Rectangle

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



00FF7B



00FFFF



FFA1FF



FF88AE

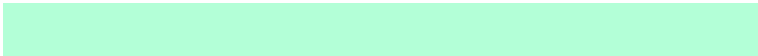


# Sweetspot

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



00FF7B



B3FFD7



88FF00



528068



000000



808080



# Same Dimension

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



00FF7B



00FFF7



738079



00BF5C



00401F

# Inverse Universe

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



FF0084



FF0008



807379



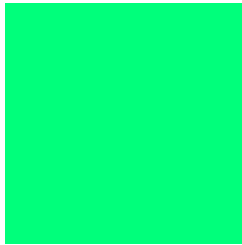
BF0063



400021

# Previews

## White Background



This preview shows how the Hex color 00FF7B looks on a white background.

## Color Contrast Check

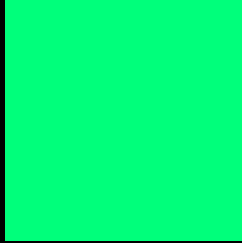
Large Text (above 18pt) WCAG AA × Fail

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 00FF7B 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 00FF7B Background



This preview shows how black text looks on a background with the Hex color 00FF7B.

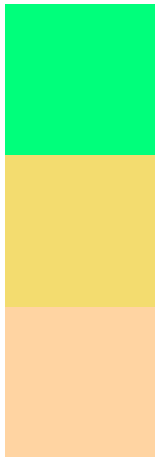


This preview shows how white text looks on a background with the Hex color 00FF7B.

# 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**  
00FF7B

**Protanopia**  
F3DC6F

**Deuteranopia**  
FFD4A2





**Tritanopia**  
7AEEFF

# Trichromacy



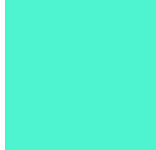
**Original Color**  
00FF7B



**Protanomaly**  
9BE973

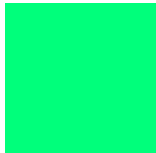


**Deuteranomaly**  
A2E494

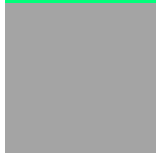


**Tritanomaly**  
4EF4CF

# Monochromacy



**Original Color**  
00FF7B



**Achromatopsia**  
A4A4A4



**Achromatomaly**  
68C595

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00FF7B 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 #00FF7B looks like.

```
.text, #text, p{  
    color:#00FF7B  
}
```

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 #00FF7B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00FF7B
}
```

## Border

The CSS property to change the border of an element to Hex 00FF7B 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
#00FF7B }
```

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

```
.border{ border-color:#00FF7B }
```

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

Here you see how a box with a 4 pixel #00FF7B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00FF7B; -webkit-box-shadow:4px 4px  
4px 4px #00FF7B; box-shadow:4px 4px 4px  
4px #00FF7B }
```

# Background

The CSS property to change the background color of an element to Hex 00FF7B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00FF7B }
```

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

```
.background{ background-color:#00FF7B }
```

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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