

# Converting Colors

$Y_{xy}(73.4108, 0.2686, 0.4871)$

Have a look what the booklet for  
Yxy(73.4108, 0.2686, 0.4871)  
contains.

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# Color

**Yxy(73.4134, 0.2686, 0.4870)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FF8C
RGB	0, 255, 140
RGB Percent	0%, 100%, 55%
CMY	1.0000, 0.0000, 0.4510
CMYK	1.00, 0.00, 0.45, 0.00
HSL	153°, 100%, 50%
HSV	153°, 100%, 100%
XYZ	40.4904, 73.4134, 36.8424
YIQ	165.6450, -115.0650, -89.8250

# Conversions

## Conversions Part 2

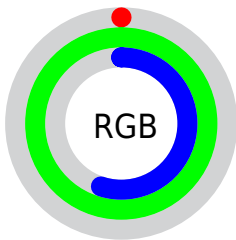
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 165, 255</a>
Decimal	<a href="#">65420</a>
CIELab	<a href="#">88.64, -74.83, 41.05</a>
CIELCh	<a href="#">89, 85.356, 151.250</a>
Yxy	<a href="#">73.4134, 0.2686, 0.4870</a>
Android (android.graphics.Color)	<a href="#">4278255500 (0xFF00FF8C)</a>
YUV	<a href="#">165.6450, -12.6430, -145.2707</a>
Hunter-Lab	<a href="#">85.6816, -65.5894, 34.4829</a>

# Details

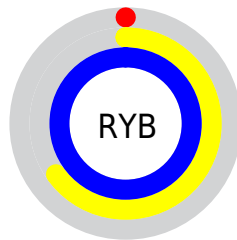
The Yxy color **73.4134, 0.2686, 0.4870** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **22.4980, 0.5212, 0.2645**, and the grayscale version is **38.0559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1050, 0.2689, 0.4038**, and **40.6371, 0.2775, 0.5190** is the 20% darker color. If you saturate the color by 10%, you get **73.4132, 0.2686, 0.4870**, and if you desaturate by 10%, it is **73.9835, 0.2656, 0.4702**.

# Distribution



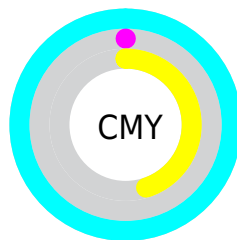
- Red (0%)
- Green (100%)
- Blue (55%)



- Red (0%)
- Yellow (65%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4134, 0.2686, 0.4870 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 Yxy color 73.4134, 0.2686, 0.4870 by changing the saturation by 10% instead.




 73.4134, 0.2686,  
0.4870


 73.4134, 0.2686,  
0.4870


472.4463, 0.2926,  
0.4075

 54.3141, 0.2622,  
0.5066


 124.0639, 0.2777,  
0.4582

 38.8528, 0.2537,  
0.5315


 156.3839, 0.2810,  
0.4473

 26.6452, 0.2422,  
0.5639


 193.8795, 0.2838,  
0.4381

 17.3070, 0.2259,  
0.6074

 236.9352, 0.2861,  
0.4302

 10.4536, 0.2016,  
0.6678

 285.9353, 0.2881,  
0.4234

 5.7007, 0.1644,  
0.7581


341.2643, 0.2898,

 2.6640, 0.0482,


0.4174


0.9518


403.3065, 0.2913,  
0.4121


 0.9589, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 73.4134, 0.2686,  
0.4870


 73.4134, 0.2686,  
0.4870


 73.4132, 0.2686,  
0.4870

 73.9835, 0.2656,  
0.4702


 74.8679, 0.2644,  
0.4527


 76.1523, 0.2653,  
0.4347


 77.8897, 0.2682,  
0.4169

 80.1245, 0.2729,  
0.3995

 82.8956, 0.2791,  
0.3830

 86.2379, 0.2865,  
0.3676

 90.1835, 0.2948,  
0.3534

 94.7616, 0.3036,  
0.3405

# Harmonies

## Analogous

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



73.4134, 0.3617, 0.5189



73.4134, 0.2686, 0.4870



73.4134, 0.1927, 0.3803

# Triad

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



73.4134, 0.2686, 0.4870



73.4134, 0.1768, 0.1838



73.4134, 0.5038, 0.3380

# Complementary

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



73.4134, 0.2686, 0.4870



22.4980, 0.5212, 0.2645

# 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.



73.4134, 0.4375, 0.2737



73.4134, 0.2686, 0.4870



73.4134, 0.2386, 0.1896

# Square

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



73.4134, 0.2686, 0.4870



73.4134, 0.1488, 0.2085



73.4134, 0.3332, 0.2212



73.4134, 0.5033, 0.4077



# Rectangle

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



73.4134, 0.2686, 0.4870



73.4134, 0.1618, 0.3047



73.4134, 0.3332, 0.2212



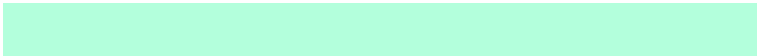
73.4134, 0.4886, 0.3158

# Sweetspot

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



73.4132, 0.2686, 0.4870



86.2379, 0.2865, 0.3676



75.4419, 0.3308, 0.5755



18.1415, 0.2833, 0.3739



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



73.4132, 0.2686, 0.4870



73.4361, 0.2218, 0.3183



20.3351, 0.3041, 0.3399



38.3905, 0.2678, 0.4842



3.7600, 0.2625, 0.4650

# Inverse Universe

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



22.4980, 0.5212, 0.2645



21.4445, 0.6385, 0.3313



18.1233, 0.3223, 0.3183



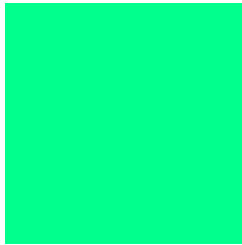
11.7848, 0.5172, 0.2623



1.1691, 0.4892, 0.2469

# Previews

## White Background



This preview shows how the Yxy color 73.4134, 0.2686, 0.4870 looks on a white background.

## Color Contrast Check

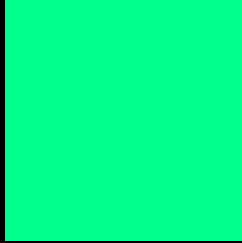
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Yxy color 73.4134, 0.2686, 0.4870 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

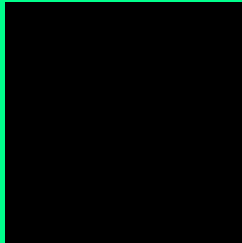
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.4134, 0.2686, 0.4870**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.4134, 0.2686, 0.4870.



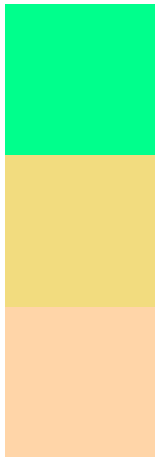
This preview shows how white text looks on a background with the Yxy color 73.4134, 0.2686, 0.4870.



# 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

73.4134, 0.2686, 0.4870

### Protanopia

71.5960, 0.3930, 0.4260

### Deuteranopia

71.6757, 0.3778, 0.3755



## Tritanopia

72.7290, 0.2424, 0.3089

# Trichromacy



## Original Color

73.4134, 0.2686, 0.4870



## Protanomaly

66.8138, 0.3200, 0.4585



## Deuteranomaly

65.6368, 0.3111, 0.4183



## Tritanomaly

71.2109, 0.2469, 0.3688

# Monochromacy



## Original Color

73.4134, 0.2686, 0.4870



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

45.8867, 0.2750, 0.3916

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  73.4134, 0.2686, 0.4870 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 `rgb(0, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 140)  
}
```

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 rgb(0, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 73.4134, 0.2686, 0.4870 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 rgb(0, 255, 140) }
```

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

```
.border{ border-color:rgb(0, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
140) }
```

# Background

The CSS property to change the background color of an element to Yxy 73.4134, 0.2686, 0.4870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 140) }
```

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

```
.background{ background-color: rgb(0, 255,  
140) }
```

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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