

# Converting Colors

Yxy(69.2211, 0.2684, 0.4861)

Have a look what the booklet for  
Yxy(69.2211, 0.2684, 0.4861)  
contains.

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# Color

**Yxy(68.9474, 0.2683, 0.4855)**

# Conversions

## Conversions Part 1

Format	Color
Hex	02F889
RGB	2, 248, 137
RGB Percent	1%, 97%, 54%
CMY	0.9929, 0.0275, 0.4628
CMYK	0.99, 0.00, 0.45, 0.03
HSL	153°, 99%, 49%
HSV	153°, 99%, 97%
XYZ	38.1021, 68.9474, 34.9636
YIQ	161.7920, -110.9850, -86.6730

# Conversions

## Conversions Part 2

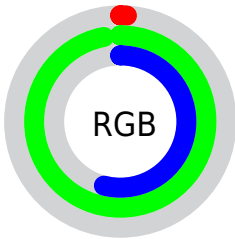
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	2, 161, 248
Decimal	194697
CIE <sub>Lab</sub>	86.48, -73.04, 39.73
CIE <sub>LCh</sub>	86, 83.149, 151.457
Yxy	68.9474, 0.2683, 0.4855
Android (android.graphics.Color)	4278384777 (0xFF02F889)
YUV	161.7920, -12.2225, -140.1376
Hunter-Lab	83.0346, -63.4021, 33.1588

# Details

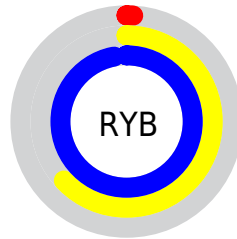
The Yxy color **68.9474, 0.2683, 0.4855** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **21.1831, 0.5190, 0.2637**, and the grayscale version is **36.0964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9032, 0.2699, 0.4078**, and **37.4828, 0.2773, 0.5184** is the 20% darker color. If you saturate the color by 10%, you get **68.9151, 0.2685, 0.4867**, and if you desaturate by 10%, it is **69.5040, 0.2655, 0.4687**.

# Distribution



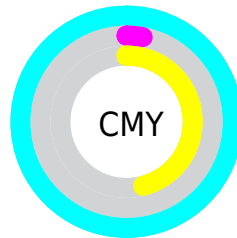
- Red (1%)
- Green (97%)
- Blue (54%)



- Red (1%)
- Yellow (63%)
- Blue (97%)



- Cyan (99%)
- Magenta (0%)
- Yellow (45%)
- Black (3%)



- Cyan (99%)
- Magenta (3%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9474, 0.2683, 0.4855 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 68.9474, 0.2683, 0.4855 by changing the saturation by 10% instead.





 68.9474, 0.2683,  
0.4855

 68.9474, 0.2683,  
0.4855

456.8454, 0.2926,  
0.4059

 50.6689, 0.2617,  
0.5054


 117.7064, 0.2776,  
0.4565


 35.9452, 0.2530,  
0.5307


 148.9558, 0.2809,  
0.4456


 24.3918, 0.2411,  
0.5640


 185.2974, 0.2837,  
0.4364

 15.6245, 0.2241,  
0.6091

 227.1159, 0.2860,  
0.4285

 9.2589, 0.1984,  
0.6724

 274.7955, 0.2880,  
0.4217

 4.9104, 0.1599,  
0.7748


328.7207, 0.2898,

 2.1948, 0.0000,

0.4158


1.0000


389.2759, 0.2913,  
0.4106

 0.7172, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 68.9474, 0.2683,  
0.4855


 68.9474, 0.2683,  
0.4855

 68.9151, 0.2685,  
0.4867

 69.5040, 0.2655,  
0.4687


 70.3627, 0.2644,  
0.4511


 71.6004, 0.2654,  
0.4332

 73.2657, 0.2685,  
0.4154

 75.3996, 0.2733,  
0.3981

 78.0382, 0.2796,  
0.3817

 81.2138, 0.2871,  
0.3664

 84.9562, 0.2954,  
0.3524

 89.2927, 0.3043,  
0.3396

# Harmonies

## Analogous

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



68.9474, 0.3610, 0.5180



68.9474, 0.2683, 0.4855



68.9474, 0.1928, 0.3792

# Triad

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



68.9474, 0.2683, 0.4855



68.9474, 0.1777, 0.1843



68.9474, 0.5031, 0.3386

# Complementary

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



68.9474, 0.2683, 0.4855



21.1831, 0.5190, 0.2637

# 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.



68.9474, 0.4375, 0.2744



68.9474, 0.2683, 0.4855



68.9474, 0.2395, 0.1903

# Square

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



68.9474, 0.2683, 0.4855



68.9474, 0.1495, 0.2087



68.9474, 0.3339, 0.2220



68.9474, 0.5022, 0.4081



# Rectangle

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



68.9474, 0.2683, 0.4855



68.9474, 0.1623, 0.3042



68.9474, 0.3339, 0.2220



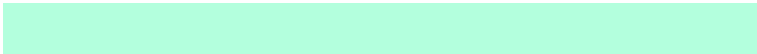
68.9474, 0.4881, 0.3164

# Sweetspot

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



68.9502, 0.2683, 0.4855



86.2385, 0.2865, 0.3676



70.8975, 0.3313, 0.5748



18.1416, 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.



68.9502, 0.2683, 0.4855



73.4141, 0.2686, 0.4869



68.9854, 0.2219, 0.3184



19.4688, 0.3041, 0.3399



37.2580, 0.2678, 0.4841



3.4721, 0.2622, 0.4639



# Inverse Universe

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



21.1831, 0.5190, 0.2637



22.4973, 0.5213, 0.2645



20.1772, 0.6375, 0.3313



17.3553, 0.3223, 0.3184



11.4377, 0.5170, 0.2622

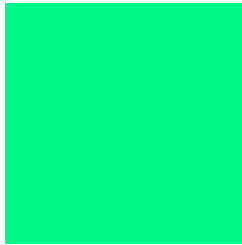


1.0804, 0.4877, 0.2460



# Previews

## White Background



This preview shows how the Yxy color 68.9474, 0.2683, 0.4855 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

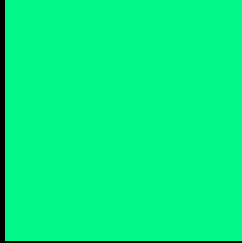
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.9474, 0.2683, 0.4855 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

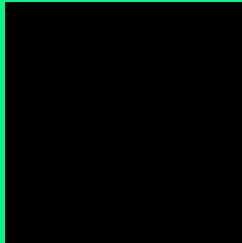
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.9474, 0.2683, 0.4855**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.9474, 0.2683, 0.4855.

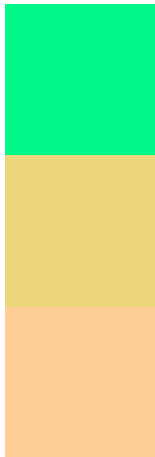


This preview shows how white text looks on a background with the Yxy color 68.9474, 0.2683, 0.4855.

# 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

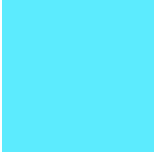
68.9539, 0.2683, 0.4855

### Protanopia

67.2105, 0.3922, 0.4256

### Deuteranopia

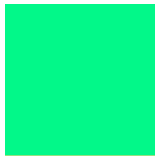
67.1247, 0.3944, 0.3860



## **Tritanopia**

68.8477, 0.2310, 0.3058

# Trichromacy



## Original Color

68.9539, 0.2683, 0.4855



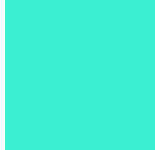
## Protanomaly

62.4617, 0.3199, 0.4569



## Deuteranomaly

61.5438, 0.3203, 0.4278



## Tritanomaly

67.9531, 0.2417, 0.3672

# Monochromacy



## Original Color

68.9539, 0.2683, 0.4855



## Achromatopsia

36.1307, 0.3127, 0.3290



## Achromatomaly

43.3829, 0.2755, 0.3915

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.9474, 0.2683, 0.4855 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(2, 248, 137)` looks like.

```
.text, #text, p{  
    color:rgb(2, 248, 137)  
}
```

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(2, 248, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 248, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 68.9474, 0.2683, 0.4855 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(2, 248, 137) }
```

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

```
.border{ border-color:rgb(2, 248, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 248, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(2, 248, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(2, 248, 137); box-shadow:4px 4px 4px 4px rgb(2, 248, 137) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.9474, 0.2683, 0.4855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 248, 137) }
```

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

```
.background{ background-color: rgb(2, 248,  
137) }
```

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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