

# Converting Colors

Yxy(68.4506, 0.2694, 0.4899)

Have a look what the booklet for  
Yxy(68.4506, 0.2694, 0.4899)  
contains.

<b>Yxy(68.2428, 0.2692, 0.4890)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(68.2428, 0.2692, 0.4890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01F786
RGB	1, 247, 134
RGB Percent	0%, 97%, 53%
CMY	0.9979, 0.0314, 0.4745
CMYK	1.00, 0.00, 0.46, 0.03
HSL	152°, 100%, 49%
HSV	152°, 100%, 97%
XYZ	37.5684, 68.2428, 33.7446
YIQ	160.5640, -110.3430, -87.2950

# Conversions

## Conversions Part 2

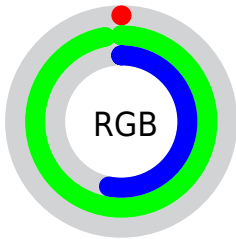
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 161, 247
Decimal	128902
CIELab	86.13, -73.26, 40.74
CIELCh	86, 83.827, 150.925
Yxy	68.2428, 0.2692, 0.4890
Android (android.graphics.Color)	4278318982 (0xFF01F786)
YUV	160.5640, -13.0961, -139.9376
Hunter-Lab	82.6092, -63.3891, 33.6074

# Details

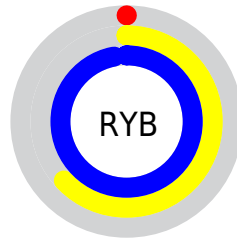
The Yxy color **68.2428, 0.2692, 0.4890** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **20.9901, 0.5171, 0.2623**, and the grayscale version is **35.4599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7715, 0.2713, 0.4118**, and **37.0044, 0.2785, 0.5226** is the 20% darker color. If you saturate the color by 10%, you get **68.2352, 0.2693, 0.4894**, and if you desaturate by 10%, it is **68.7849, 0.2663, 0.4720**.

# Distribution



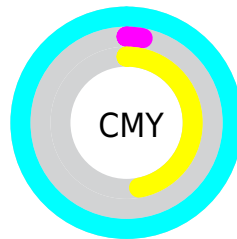
- Red (0%)
- Green (97%)
- Blue (53%)



- Red (0%)
- Yellow (63%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (3%)




- Cyan (100%)
- Magenta (3%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2428, 0.2692, 0.4890 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 68.2428, 0.2692, 0.4890 by changing the saturation by 10% instead.





 68.2428, 0.2692,  
0.4890

 68.2428, 0.2692,  
0.4890


454.3558, 0.2933,  
0.4074

 50.0953, 0.2626,  
0.5094


 116.6994, 0.2784,  
0.4592

 35.4891, 0.2538,  
0.5355


 147.7773, 0.2818,  
0.4481


 24.0399, 0.2418,  
0.5696


 183.9341, 0.2845,  
0.4387

 15.3632, 0.2244,  
0.6160

 225.5543, 0.2868,  
0.4306

 9.0747, 0.1981,  
0.6808

 273.0221, 0.2888,  
0.4236

 4.7899, 0.1595,  
0.7907


326.7220, 0.2905,

 2.1245, 0.0000,


0.4175


1.0000


387.0385, 0.2920,  
0.4122

 0.6784, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 68.2428, 0.2692,  
0.4890

 68.2428, 0.2692,  
0.4890


 68.2352, 0.2693,  
0.4894

 68.7849, 0.2663,  
0.4720


 69.6198, 0.2651,  
0.4542


 70.8284, 0.2659,  
0.4360


 72.4594, 0.2688,  
0.4179

 74.5538, 0.2735,  
0.4002

 77.1476, 0.2797,  
0.3835

 80.2731, 0.2870,  
0.3678

 83.9597, 0.2952,  
0.3535

 88.2347, 0.3039,  
0.3404

# Harmonies

## Analogous

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



68.2428, 0.3628, 0.5199



68.2428, 0.2692, 0.4890



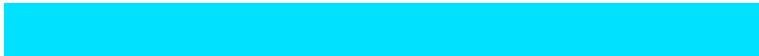
68.2428, 0.1926, 0.3819

# Triad

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



68.2428, 0.2692, 0.4890



68.2428, 0.1757, 0.1831



68.2428, 0.5046, 0.3372

# Complementary

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



68.2428, 0.2692, 0.4890



20.9901, 0.5171, 0.2623

# 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.



68.2428, 0.4372, 0.2727



68.2428, 0.2692, 0.4890



68.2428, 0.2373, 0.1887

# Square

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



68.2428, 0.2692, 0.4890



68.2428, 0.1479, 0.2082



68.2428, 0.3322, 0.2202



68.2428, 0.5046, 0.4071



# Rectangle

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



68.2428, 0.2692, 0.4890



68.2428, 0.1614, 0.3056



68.2428, 0.3322, 0.2202



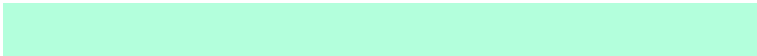
68.2428, 0.4891, 0.3149

# Sweetspot

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



68.2456, 0.2692, 0.4890



86.2076, 0.2868, 0.3682



70.2046, 0.3311, 0.5752



18.1343, 0.2836, 0.3747



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.



68.2456, 0.2692, 0.4890



73.3574, 0.2693, 0.4896



68.3252, 0.2218, 0.3184



18.6221, 0.3042, 0.3401



36.1167, 0.2685, 0.4866



3.1950, 0.2625, 0.4651



# Inverse Universe

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



20.9901, 0.5171, 0.2623



22.5424, 0.5180, 0.2627



19.9652, 0.6381, 0.3313



16.6089, 0.3221, 0.3182



11.1193, 0.5136, 0.2603



0.9978, 0.4833, 0.2436



# Previews

## White Background



This preview shows how the Yxy color 68.2428, 0.2692, 0.4890 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 68.2428, 0.2692, 0.4890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

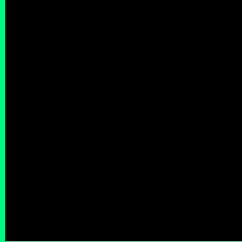
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.2428, 0.2692, 0.4890**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.2428, 0.2692, 0.4890.

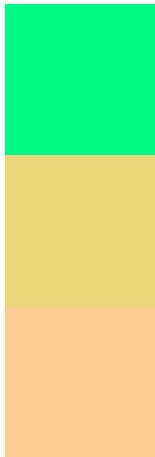


This preview shows how white text looks on a background with the Yxy color 68.2428, 0.2692, 0.4890.

# 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

68.2492, 0.2692, 0.4890

### Protanopia

66.4861, 0.3932, 0.4269

### Deuteranopia

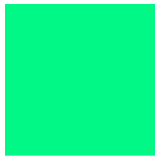
66.4901, 0.3986, 0.3900



## Tritanopia

68.2011, 0.2318, 0.3069

# Trichromacy



## Original Color

68.2492, 0.2692, 0.4890



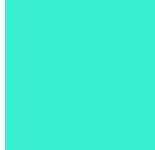
## Protanomaly

61.7463, 0.3210, 0.4600



## Deuteranomaly

60.7909, 0.3221, 0.4323



## Tritanomaly

67.2663, 0.2422, 0.3687

# Monochromacy



## Original Color

68.2492, 0.2692, 0.4890



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

42.7584, 0.2754, 0.3936

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.2428, 0.2692, 0.4890 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(1, 247, 134)` looks like.

```
.text, #text, p{  
    color:rgb(1, 247, 134)  
}
```

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(1, 247, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 247, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 68.2428, 0.2692, 0.4890 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(1, 247, 134) }
```

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

```
.border{ border-color:rgb(1, 247, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 247, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 247, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 247, 134);  
box-shadow:4px 4px 4px 4px rgb(1, 247,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.2428, 0.2692, 0.4890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 247, 134) }
```

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

```
.background{ background-color: rgb(1, 247,  
134) }
```

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