

Converting Colors

$Y_{xy}(70.4865, 0.2637, 0.4694)$

Have a look what the booklet for
Yxy(70.4865, 0.2637, 0.4694)
contains.

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Color

Yxy(70.5411, 0.2639, 0.4699)

Conversions

Conversions Part 1

Format	Color
Hex	01FA95
RGB	1, 250, 149
RGB Percent	0%, 98%, 58%
CMY	0.9973, 0.0196, 0.4157
CMYK	1.00, 0.00, 0.40, 0.02
HSL	156°, 99%, 49%
HSV	156°, 100%, 98%
XYZ	39.6165, 70.5411, 39.9618
YIQ	164.0350, -115.9830, -84.1990

Conversions

Conversions Part 2

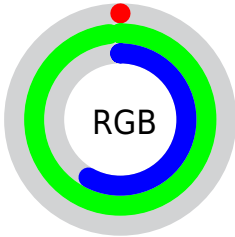
Format	Color
RYB	1, 157, 250
Decimal	129685
CIELab	87.26, -71.60, 34.84
CIELCh	87, 79.628, 154.051
Yxy	70.5411, 0.2639, 0.4699
Android (android.graphics.Color)	4278319765 (0xFF01FA95)
YUV	164.0350, -7.4123, -142.9817
Hunter-Lab	83.9887, -62.7840, 30.5820

Details

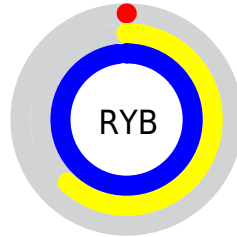
The Yxy color **70.5411, 0.2639, 0.4699** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **21.2910, 0.5396, 0.2747**, and the grayscale version is **37.1697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4570, 0.2644, 0.3920**, and **38.5623, 0.2721, 0.4994** is the 20% darker color. If you saturate the color by 10%, you get **70.5308, 0.2640, 0.4703**, and if you desaturate by 10%, it is **71.0926, 0.2613, 0.4546**.

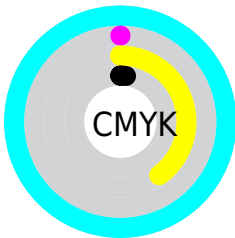
Distribution



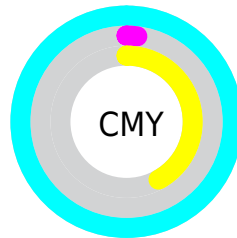
- Red (0%)
- Green (98%)
- Blue (58%)



- Red (0%)
- Yellow (62%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.5411, 0.2639, 0.4699 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 70.5411, 0.2639, 0.4699 by changing the saturation by 10% instead.


 70.5411, 0.2639,
0.4699

 70.5411, 0.2639,
0.4699


462.4476, 0.2895,
0.3988


 51.9678, 0.2573,
0.4876


 119.9801, 0.2734,
0.4441


 36.9794, 0.2487,
0.5101


 151.6145, 0.2769,
0.4343


 25.1915, 0.2372,
0.5397


 188.3715, 0.2798,
0.4261

 16.2198, 0.2210,
0.5799

 230.6353, 0.2823,
0.4191

 9.6798, 0.1973,
0.6370

 278.7905, 0.2845,
0.4130

 5.1872, 0.1603,
0.7215


333.2213, 0.2864,

 2.3575, 0.0282,


0.4077


0.9718


394.3122, 0.2880,
0.4030


 0.8039, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.5411, 0.2639,
0.4699


 70.5411, 0.2639,
0.4699


 70.5308, 0.2640,
0.4703


 71.0926, 0.2613,
0.4546

 71.9392, 0.2606,
0.4388

 73.1630, 0.2618,
0.4228


 74.8139, 0.2652,
0.4069

 76.9337, 0.2703,
0.3915

 79.5591, 0.2770,
0.3768

 82.7232, 0.2850,
0.3631

 86.4561, 0.2938,
0.3505

 90.7855, 0.3032,
0.3390

Harmonies

Analogous

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



70.5411, 0.3526, 0.5092



70.5411, 0.2639, 0.4699



70.5411, 0.1936, 0.3673

Triad

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



70.5411, 0.2639, 0.4699



70.5411, 0.1869, 0.1894



70.5411, 0.4966, 0.3451

Complementary

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



70.5411, 0.2639, 0.4699



21.2910, 0.5396, 0.2747

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.



70.5411, 0.4389, 0.2821



70.5411, 0.2639, 0.4699



70.5411, 0.2497, 0.1973

Square

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



70.5411, 0.2639, 0.4699



70.5411, 0.1568, 0.2107



70.5411, 0.3420, 0.2300



70.5411, 0.4915, 0.4125

Rectangle

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



70.5411, 0.2639, 0.4699



70.5411, 0.1659, 0.2980



70.5411, 0.3420, 0.2300



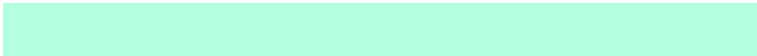
70.5411, 0.4840, 0.3234

Sweetspot

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



70.5439, 0.2639, 0.4699



86.4267, 0.2847, 0.3635



71.3477, 0.3249, 0.5801



18.1863, 0.2812, 0.3692



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.



70.5439, 0.2639, 0.4699



73.7774, 0.2640, 0.4705



63.0671, 0.2173, 0.3023



19.4826, 0.3035, 0.3388



37.4420, 0.2633, 0.4678



3.4888, 0.2582, 0.4494

Inverse Universe

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



21.2910, 0.5396, 0.2747



22.2452, 0.5406, 0.2751



20.8781, 0.6349, 0.3338



17.3418, 0.3230, 0.3194



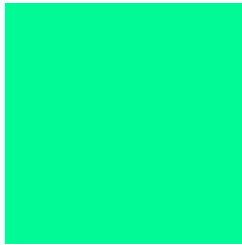
11.3084, 0.5361, 0.2727



1.0677, 0.5047, 0.2554

Previews

White Background



This preview shows how the Yxy color 70.5411, 0.2639, 0.4699 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 70.5411, 0.2639, 0.4699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

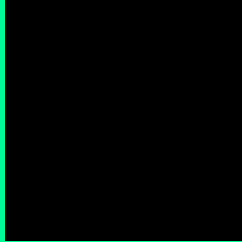
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5411, 0.2639, 0.4699

Background



This preview shows how black text looks on a background with the Yxy color 70.5411, 0.2639, 0.4699.

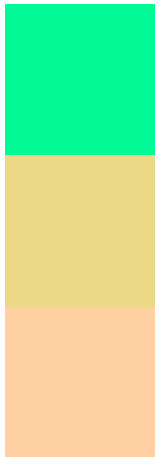


This preview shows how white text looks on a background with the Yxy color 70.5411, 0.2639, 0.4699.

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

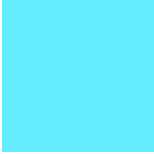
70.5476, 0.2639, 0.4699

Protanopia

69.2361, 0.3838, 0.4161

Deuteranopia

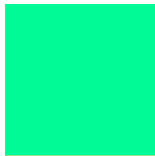
68.9450, 0.3848, 0.3778



Tritanopia

69.9202, 0.2332, 0.3060

Trichromacy



Original Color

70.5476, 0.2639, 0.4699



Protanomaly

64.4457, 0.3129, 0.4442



Deuteranomaly

62.9962, 0.3128, 0.4141



Tritanomaly

68.9585, 0.2409, 0.3615

Monochromacy



Original Color

70.5476, 0.2639, 0.4699



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

44.5367, 0.2727, 0.3844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5411, 0.2639, 0.4699 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, 250, 149)` looks like.

```
.text, #text, p{  
    color:rgb(1, 250, 149)  
}
```

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, 250, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 250, 149) }
```

Border

The CSS property to change the border of an element to Yxy 70.5411, 0.2639, 0.4699 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, 250, 149) }
```

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

```
.border{ border-color:rgb(1, 250, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 250, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 250, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 250, 149);  
box-shadow:4px 4px 4px 4px rgb(1, 250,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5411, 0.2639, 0.4699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 250, 149) }
```

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

```
.background{ background-color: rgb(1, 250,  
149) }
```

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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