

Converting Colors

$Y_{xy}(70.1682, 0.2945, 0.5803)$

Have a look what the booklet for
Yxy(70.1682, 0.2945, 0.5803)
contains.

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Color

Yxy(69.8871, 0.2945, 0.5801)

Conversions

Conversions Part 1

Format	Color
Hex	00FC36
RGB	0, 252, 54
RGB Percent	0%, 99%, 21%
CMY	0.9984, 0.0118, 0.7883
CMYK	1.00, 0.00, 0.79, 0.01
HSL	133°, 100%, 49%
HSV	133°, 100%, 99%
XYZ	35.4797, 69.8871, 15.1075
YIQ	154.0800, -86.6340, -115.0020

Conversions

Conversions Part 2

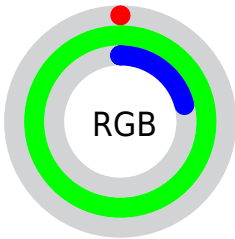
Format	Color
RYB	0, 208, 252
Decimal	64566
CIELab	86.94, -83.70, 73.95
CIELCh	87, 111.686, 138.541
Yxy	69.8871, 0.2945, 0.5801
Android (android.graphics.Color)	4278254646 (0xFF00FC36)
YUV	154.0800, -49.3394, -135.1282
Hunter-Lab	83.5985, -70.5410, 47.8044

Details

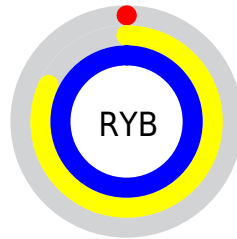
The Yxy color **69.8871, 0.2945, 0.5801** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **24.8008, 0.3847, 0.1893**, and the grayscale version is **32.6576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6325, 0.3054, 0.5045**, and **38.1399, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **69.8844, 0.2945, 0.5803**, and if you desaturate by 10%, it is **70.3276, 0.2919, 0.5631**.

Distribution



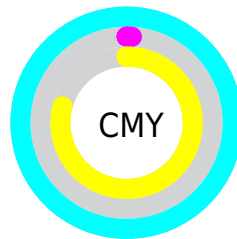
- Red (0%)
- Green (99%)
- Blue (21%)



- Red (0%)
- Yellow (82%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (1%)




- Cyan (100%)
- Magenta (1%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8871, 0.2945, 0.5801 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 69.8871, 0.2945, 0.5801 by changing the saturation by 10% instead.


 69.8871, 0.2945,
0.5801

 69.8871, 0.2945,
0.5801


460.1535, 0.3138,
0.4538


 51.4345, 0.2868,
0.6095


 119.0477, 0.3038,
0.5353


 36.5545, 0.2755,
0.6453


 150.5246, 0.3066,
0.5181


 24.8628, 0.2587,
0.6889


 187.1116, 0.3087,
0.5033

 15.9748, 0.2337,
0.7436

 229.1932, 0.3103,
0.4906

 9.5064, 0.1944,
0.8056

 277.1538, 0.3115,
0.4796

 5.0729, 0.1350,
0.8650


331.3778, 0.3125,

 2.2901, 0.0000,


0.4699


1.0000


392.2496, 0.3132,
0.4614


 0.7685, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 69.8871, 0.2945,
0.5801


 69.8871, 0.2945,
0.5801

 69.8844, 0.2945,
0.5803

 70.3276, 0.2919,
0.5631

 71.1219, 0.2902,
0.5408

 72.3612, 0.2899,
0.5141

 74.1022, 0.2909,
0.4849

■ 76.3928, 0.2931,
0.4548

■ 79.2754, 0.2962,
0.4252

■ 82.7879, 0.3000,
0.3974

■ 86.9653, 0.3042,
0.3719

■ 91.8397, 0.3085,
0.3490

Harmonies

Analogous

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



69.8871, 0.4085, 0.5520



69.8871, 0.2945, 0.5801



69.8871, 0.1902, 0.4682

Triad

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



69.8871, 0.2945, 0.5801



69.8871, 0.1270, 0.1559



69.8871, 0.5370, 0.2973

Complementary

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



69.8871, 0.2945, 0.5801



24.8008, 0.3847, 0.1893

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.



69.8871, 0.4193, 0.2277



69.8871, 0.2945, 0.5801



69.8871, 0.1806, 0.1509

Square

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



69.8871, 0.2945, 0.5801



69.8871, 0.1096, 0.1992



69.8871, 0.2804, 0.1757



69.8871, 0.5653, 0.3745

Rectangle

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



69.8871, 0.2945, 0.5801



69.8871, 0.1425, 0.3538



69.8871, 0.2804, 0.1757



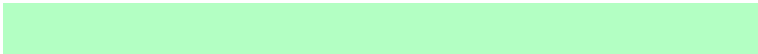
69.8871, 0.5055, 0.2730

Sweetspot

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



69.8900, 0.2945, 0.5801



84.9750, 0.3000, 0.3979



82.1342, 0.3837, 0.5334



17.8460, 0.2983, 0.4094



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.



69.8900, 0.2945, 0.5801



71.7893, 0.2946, 0.5804



72.7790, 0.2532, 0.4316



19.3697, 0.3086, 0.3482



36.4207, 0.2939, 0.5779



3.3880, 0.2880, 0.5569

Inverse Universe

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



24.8008, 0.3847, 0.1893



25.4625, 0.3848, 0.1894



21.2246, 0.5805, 0.2972



17.4575, 0.3171, 0.3105



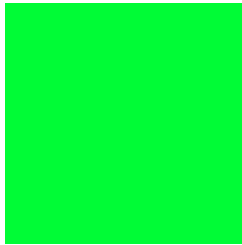
12.9348, 0.3835, 0.1886



1.2132, 0.3745, 0.1837

Previews

White Background



This preview shows how the Yxy color 69.8871, 0.2945, 0.5801 looks on a white background.

Color Contrast Check

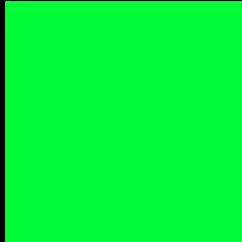
Large Text (above 18pt) WCAG AA × Fail

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 69.8871, 0.2945, 0.5801 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

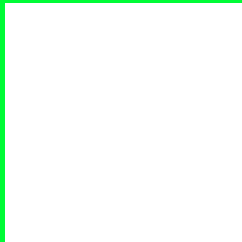
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.8871, 0.2945, 0.5801

Background



This preview shows how black text looks on a background with the Yxy color 69.8871, 0.2945, 0.5801.

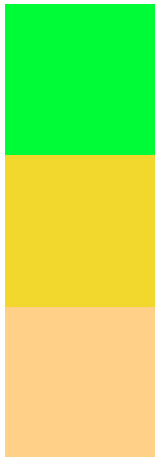


This preview shows how white text looks on a background with the Yxy color 69.8871, 0.2945, 0.5801.

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

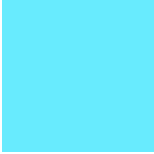
69.8871, 0.2945, 0.5801

Protanopia

68.1784, 0.4335, 0.4794

Deuteranopia

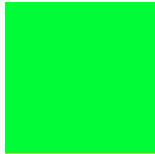
68.1493, 0.4032, 0.4027



Tritanopia

69.5155, 0.2346, 0.3060

Trichromacy



Original Color

69.8871, 0.2945, 0.5801



Protanomaly

63.1220, 0.3556, 0.5360



Deuteranomaly

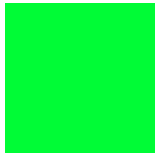
62.0333, 0.3411, 0.4791



Tritanomaly

67.4050, 0.2564, 0.4111

Monochromacy



Original Color

69.8871, 0.2945, 0.5801



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

40.7316, 0.2935, 0.4474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8871, 0.2945, 0.5801 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, 252, 54)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 54)  
}
```

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, 252, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 54) }
```

Border

The CSS property to change the border of an element to Yxy 69.8871, 0.2945, 0.5801 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, 252, 54) }
```

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

```
.border{ border-color:rgb(0, 252, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 252, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 54);  
box-shadow:4px 4px 4px 4px rgb(0, 252, 54)  
}
```


Background

The CSS property to change the background color of an element to Yxy 69.8871, 0.2945, 0.5801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 54) }
```

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

```
.background{ background-color: rgb(0, 252,  
54) }
```

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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