

Converting Colors

$Y_{xy}(70.7650, 0.2836, 0.5408)$

Have a look what the booklet for
Yxy(70.7650, 0.2836, 0.5408)
contains.

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Color

Yxy(70.4903, 0.2835, 0.5404)

Conversions

Conversions Part 1

Format	Color
Hex	01FC61
RGB	1, 252, 97
RGB Percent	0%, 99%, 38%
CMY	0.9966, 0.0117, 0.6195
CMYK	1.00, 0.00, 0.61, 0.01
HSL	143°, 99%, 50%
HSV	143°, 100%, 99%
XYZ	36.9800, 70.4903, 22.9707
YIQ	159.2810, -99.8410, -101.4170

Conversions

Conversions Part 2

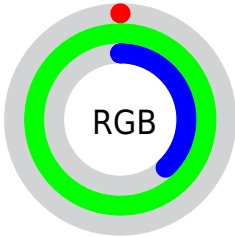
Format	Color
R_{YB}	1, 183, 252
Decimal	130145
CIE Lab	87.24, -79.97, 58.93
CIE LCh	87, 99.339, 143.611
Yxy	70.4903, 0.2835, 0.5404
Android (android.graphics.Color)	4278320225 (0xFF01FC61)
YUV	159.2810, -30.7045, -138.8124
Hunter-Lab	83.9585, -68.3060, 42.5495

Details

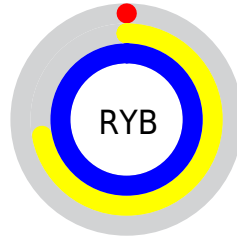
The Yxy color **70.4903, 0.2835, 0.5404** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **23.1109, 0.4494, 0.2251**, and the grayscale version is **34.9685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5000, 0.2891, 0.4607**, and **38.7368, 0.2943, 0.5794** is the 20% darker color. If you saturate the color by 10%, you get **70.4775, 0.2836, 0.5410**, and if you desaturate by 10%, it is **71.0274, 0.2800, 0.5207**.

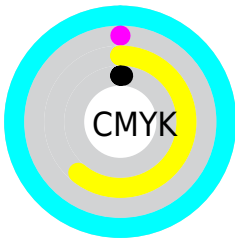
Distribution



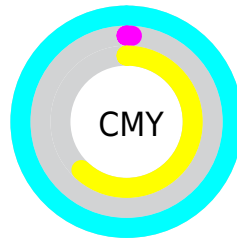
- Red (0%)
- Green (99%)
- Blue (38%)



- Red (0%)
- Yellow (72%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (1%)




- Cyan (100%)
- Magenta (1%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4903, 0.2835, 0.5404 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 70.4903, 0.2835, 0.5404 by changing the saturation by 10% instead.


 70.4903, 0.2835,
0.5404


 70.4903, 0.2835,
0.5404


462.2697, 0.3040,
0.4330

 51.9264, 0.2767,
0.5665


 119.9077, 0.2922,
0.5016

 36.9464, 0.2673,
0.5992


 151.5299, 0.2952,
0.4870

 25.1660, 0.2535,
0.6407


 188.2737, 0.2975,
0.4745

 16.2008, 0.2327,
0.6940

 230.5234, 0.2993,
0.4638

 9.6663, 0.2020,
0.7687

 278.6635, 0.3008,
0.4546

 5.1783, 0.1503,
0.8497

333.0783, 0.3021,


 2.3522, 0.0000,

0.4465


1.0000


394.1522, 0.3032,
0.4393


 0.8012, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.4903, 0.2835,
0.5404


 70.4903, 0.2835,
0.5404


 70.4775, 0.2836,
0.5410

 71.0274, 0.2800,
0.5207


 71.8969, 0.2780,
0.4985


 73.1840, 0.2779,
0.4748


 74.9413, 0.2797,
0.4504

 77.2134, 0.2830,
0.4263

 80.0395, 0.2877,
0.4032

 83.4548, 0.2933,
0.3817

 87.4916, 0.2996,
0.3620

 92.1798, 0.3062,
0.3443

Harmonies

Analogous

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



70.4903, 0.3890, 0.5421



70.4903, 0.2835, 0.5404



70.4903, 0.1909, 0.4262

Triad

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



70.4903, 0.2835, 0.5404



70.4903, 0.1476, 0.1674



70.4903, 0.5239, 0.3154

Complementary

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



70.4903, 0.2835, 0.5404



23.1109, 0.4494, 0.2251

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.



70.4903, 0.4293, 0.2476



70.4903, 0.2835, 0.5404



70.4903, 0.2052, 0.1670

Square

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



70.4903, 0.2835, 0.5404



70.4903, 0.1258, 0.2026



70.4903, 0.3043, 0.1950



70.4903, 0.5387, 0.3903

Rectangle

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



70.4903, 0.2835, 0.5404



70.4903, 0.1505, 0.3297



70.4903, 0.3043, 0.1950



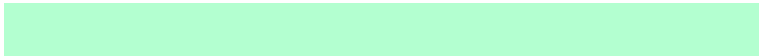
70.4903, 0.4999, 0.2918

Sweetspot

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



70.4932, 0.2835, 0.5404



85.5879, 0.2931, 0.3825



77.0917, 0.3554, 0.5558



17.9883, 0.2907, 0.3914



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.



70.4932, 0.2835, 0.5404



72.3949, 0.2837, 0.5412



74.7190, 0.2367, 0.3720



19.4192, 0.3063, 0.3440



36.7373, 0.2828, 0.5379



3.4225, 0.2761, 0.5140

Inverse Universe

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



23.1109, 0.4494, 0.2251



23.7070, 0.4501, 0.2253



20.8330, 0.6251, 0.3219



17.4053, 0.3197, 0.3145



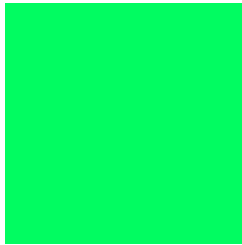
12.0520, 0.4473, 0.2238



1.1369, 0.4281, 0.2132

Previews

White Background



This preview shows how the Yxy color 70.4903, 0.2835, 0.5404 looks on a white background.

Color Contrast Check

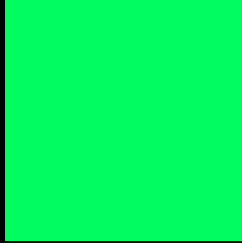
Large Text (above 18pt) WCAG AA × Fail

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 70.4903, 0.2835, 0.5404 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 70.4903, 0.2835, 0.5404

Background



This preview shows how black text looks on a background with the Yxy color 70.4903, 0.2835, 0.5404.

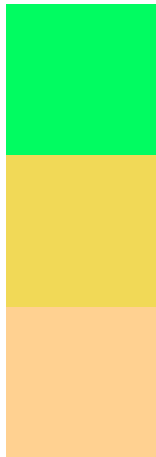


This preview shows how white text looks on a background with the Yxy color 70.4903, 0.2835, 0.5404.

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

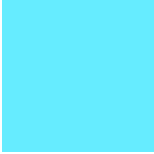
70.4903, 0.2835, 0.5404

Protanopia

69.0146, 0.4164, 0.4575

Deuteranopia

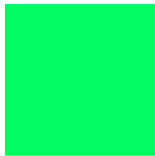
68.9053, 0.3963, 0.3949



Tritanopia

70.0357, 0.2339, 0.3060

Trichromacy



Original Color

70.4903, 0.2835, 0.5404



Protanomaly

64.2190, 0.3407, 0.5028



Deuteranomaly

63.1955, 0.3296, 0.4536



Tritanomaly

68.7053, 0.2490, 0.3877

Monochromacy



Original Color

70.4903, 0.2835, 0.5404



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

42.7423, 0.2849, 0.4201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4903, 0.2835, 0.5404 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, 252, 97)` looks like.

```
.text, #text, p{  
    color:rgb(1, 252, 97)  
}
```

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, 252, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 252, 97) }
```

Border

The CSS property to change the border of an element to Yxy 70.4903, 0.2835, 0.5404 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, 252, 97) }
```

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

```
.border{ border-color:rgb(1, 252, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 252, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 252, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 252, 97);  
box-shadow:4px 4px 4px 4px rgb(1, 252, 97)  
}
```


Background

The CSS property to change the background color of an element to Yxy 70.4903, 0.2835, 0.5404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 252, 97) }
```

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

```
.background{ background-color: rgb(1, 252,  
97) }
```

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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