

Converting Colors

$Yxy(70.4574, 0.2670, 0.4813)$

Have a look what the booklet for
Yxy(70.4574, 0.2670, 0.4813)
contains.

Yxy(70.2943, 0.2671, 0.4815)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(70.2943, 0.2671, 0.4815)

Conversions

Conversions Part 1

Format	Color
Hex	00FA8D
RGB	0, 250, 141
RGB Percent	0%, 98%, 55%
CMY	0.9990, 0.0196, 0.4472
CMYK	1.00, 0.00, 0.44, 0.02
HSL	154°, 100%, 49%
HSV	154°, 100%, 98%
XYZ	38.9940, 70.2943, 36.7019
YIQ	162.8240, -114.0110, -86.8990

Conversions

Conversions Part 2

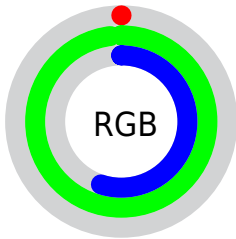
Format	Color
RYB	0, 160, 250
Decimal	64141
CIELab	87.14, -73.05, 38.64
CIELCh	87, 82.637, 152.122
Yxy	70.2943, 0.2671, 0.4815
Android (android.graphics.Color)	4278254221 (0xFF00FA8D)
YUV	162.8240, -10.7592, -142.7966
Hunter-Lab	83.8417, -63.7043, 32.7348

Details

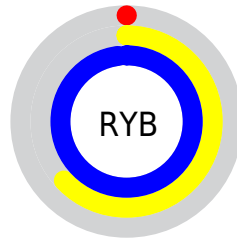
The Yxy color **70.2943, 0.2671, 0.4815** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **21.4406, 0.5268, 0.2676**, and the grayscale version is **36.6688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0829, 0.2681, 0.4025**, and **38.4205, 0.2759, 0.5133** is the 20% darker color. If you saturate the color by 10%, you get **70.2920, 0.2671, 0.4817**, and if you desaturate by 10%, it is **70.8465, 0.2643, 0.4651**.

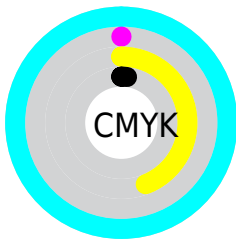
Distribution



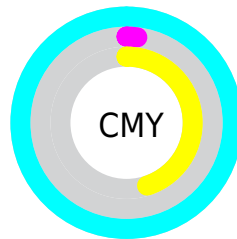
- Red (0%)
- Green (98%)
- Blue (55%)



- Red (0%)
- Yellow (63%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2943, 0.2671, 0.4815 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 70.2943, 0.2671, 0.4815 by changing the saturation by 10% instead.


 70.2943, 0.2671,
0.4815


 70.2943, 0.2671,
0.4815


461.5827, 0.2917,
0.4043


 51.7665, 0.2605,
0.5007


 119.6284, 0.2764,
0.4534


 36.8190, 0.2519,
0.5252


 151.2034, 0.2798,
0.4428


 25.0674, 0.2402,
0.5573

 187.8963, 0.2826,
0.4339

 16.1273, 0.2236,
0.6008

 230.0915, 0.2850,
0.4263

 9.6142, 0.1988,
0.6619

 278.1733, 0.2870,
0.4197

 5.1440, 0.1607,
0.7555

332.5262, 0.2888,

 2.3320, 0.0087,

0.4139

0.9913

393.5345, 0.2903,
0.4088

■ 0.7906, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 70.2943, 0.2671,
0.4815

■ 70.2943, 0.2671,
0.4815


■ 70.2920, 0.2671,
0.4817

■ 70.8465, 0.2643,
0.4651


■ 71.6952, 0.2632,
0.4481


■ 72.9245, 0.2642,
0.4308


■ 74.5847, 0.2672,
0.4136

 76.7178, 0.2721,
0.3969

 79.3608, 0.2785,
0.3810

 82.5469, 0.2860,
0.3661

 86.3063, 0.2945,
0.3524

 90.6671, 0.3035,
0.3400

Harmonies

Analogous

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



70.2943, 0.3588, 0.5159



70.2943, 0.2671, 0.4815



70.2943, 0.1930, 0.3761

Triad

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



70.2943, 0.2671, 0.4815



70.2943, 0.1800, 0.1855



70.2943, 0.5015, 0.3403

Complementary

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



70.2943, 0.2671, 0.4815



21.4406, 0.5268, 0.2676

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.



70.2943, 0.4380, 0.2764



70.2943, 0.2671, 0.4815



70.2943, 0.2422, 0.1920

Square

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



70.2943, 0.2671, 0.4815



70.2943, 0.1513, 0.2092



70.2943, 0.3360, 0.2240



70.2943, 0.4995, 0.4093

Rectangle

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



70.2943, 0.2671, 0.4815



70.2943, 0.1631, 0.3025



70.2943, 0.3360, 0.2240



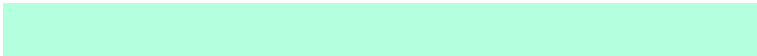
70.2943, 0.4872, 0.3182

Sweetspot

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



70.2971, 0.2671, 0.4815



86.2969, 0.2859, 0.3663



71.8608, 0.3288, 0.5770



18.1555, 0.2826, 0.3724



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.



70.2971, 0.2671, 0.4815



73.5238, 0.2672, 0.4818



67.7715, 0.2203, 0.3131



19.4731, 0.3039, 0.3396



37.3136, 0.2664, 0.4790



3.4772, 0.2609, 0.4594

Inverse Universe

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



21.4406, 0.5268, 0.2676



22.4148, 0.5274, 0.2679



20.6066, 0.6374, 0.3320



17.3511, 0.3225, 0.3187



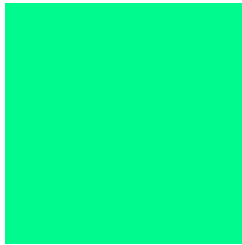
11.3955, 0.5231, 0.2655



1.0763, 0.4930, 0.2490

Previews

White Background



This preview shows how the Yxy color 70.2943, 0.2671, 0.4815 looks on a white background.

Color Contrast Check

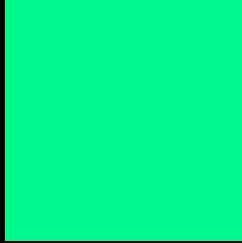
Large Text (above 18pt) WCAG AA × Fail

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 70.2943, 0.2671, 0.4815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

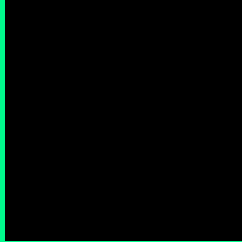
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2943, 0.2671, 0.4815

Background



This preview shows how black text looks on a background with the Yxy color 70.2943, 0.2671, 0.4815.

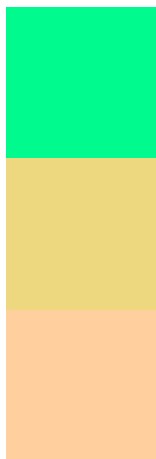


This preview shows how white text looks on a background with the Yxy color 70.2943, 0.2671, 0.4815.

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

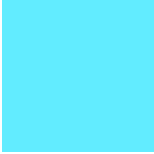
70.2943, 0.2671, 0.4815

Protanopia

68.6748, 0.3903, 0.4229

Deuteranopia

68.8061, 0.3878, 0.3819



Tritanopia

69.8076, 0.2326, 0.3059

Trichromacy



Original Color

70.2943, 0.2671, 0.4815



Protanomaly

63.7596, 0.3181, 0.4534



Deuteranomaly

62.6911, 0.3157, 0.4222



Tritanomaly

68.7898, 0.2413, 0.3642

Monochromacy



Original Color

70.2943, 0.2671, 0.4815



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

44.3398, 0.2746, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2943, 0.2671, 0.4815 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, 250, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 141)  
}
```

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, 250, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 141) }
```

Border

The CSS property to change the border of an element to Yxy 70.2943, 0.2671, 0.4815 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, 250, 141) }
```

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

```
.border{ border-color:rgb(0, 250, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 250, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2943, 0.2671, 0.4815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 141) }
```

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

```
.background{ background-color: rgb(0, 250,  
141) }
```

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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