

Converting Colors

$Y_{xy}(71.8739, 0.2670, 0.4813)$

Have a look what the booklet for
Yxy(71.8739, 0.2670, 0.4813)
contains.

Yxy(71.6040, 0.2668, 0.4803)	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(71.6040, 0.2668, 0.4803)

Conversions

Conversions Part 1

Format	Color
Hex	01FC8F
RGB	1, 252, 143
RGB Percent	0%, 99%, 56%
CMY	0.9966, 0.0118, 0.4393
CMYK	1.00, 0.00, 0.43, 0.01
HSL	154°, 99%, 50%
HSV	154°, 100%, 99%
XYZ	39.7750, 71.6040, 37.7028
YIQ	164.5250, -114.6070, -87.1110

Conversions

Conversions Part 2

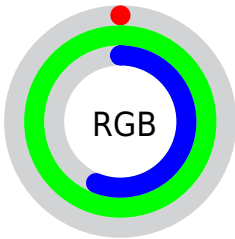
Format	Color
RYB	1, 161, 252
Decimal	130191
CIELab	87.78, -73.33, 38.48
CIELCh	88, 82.812, 152.308
Yxy	71.6040, 0.2668, 0.4803
Android (android.graphics.Color)	4278320271 (0xFF01FC8F)
YUV	164.5250, -10.6118, -143.4114
Hunter-Lab	84.6191, -64.1800, 32.8162

Details

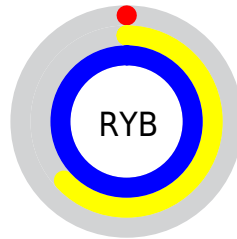
The Yxy color **71.6040, 0.2668, 0.4803** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **21.8373, 0.5273, 0.2680**, and the grayscale version is **37.4598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2421, 0.2675, 0.3998**, and **39.3389, 0.2754, 0.5116** is the 20% darker color. If you saturate the color by 10%, you get **71.5897, 0.2669, 0.4809**, and if you desaturate by 10%, it is **72.1697, 0.2640, 0.4640**.

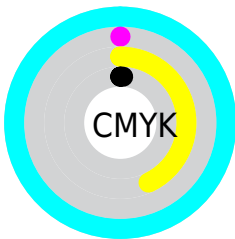
Distribution



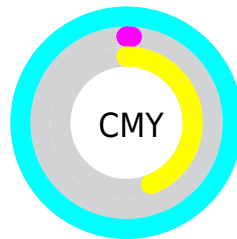
- Red (0%)
- Green (99%)
- Blue (56%)



- Red (0%)
- Yellow (63%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (1%)




- Cyan (100%)
- Magenta (1%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.6040, 0.2668, 0.4803 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 71.6040, 0.2668, 0.4803 by changing the saturation by 10% instead.


 71.6040, 0.2668,
0.4803

 71.6040, 0.2668,
0.4803

466.1621, 0.2914,
0.4039


 52.8353, 0.2603,
0.4992


 121.4934, 0.2761,
0.4526


 37.6713, 0.2518,
0.5233


 153.3828, 0.2794,
0.4421


 25.7277, 0.2402,
0.5548


 190.4145, 0.2823,
0.4333

 16.6200, 0.2239,
0.5974

 232.9730, 0.2847,
0.4257

 9.9639, 0.1996,
0.6572

 281.4426, 0.2867,
0.4192

 5.3751, 0.1622,
0.7465


336.2077, 0.2885,

 2.4690, 0.0316,


0.4135

0.9684

397.6527, 0.2901,
0.4084


 0.8610, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 71.6040, 0.2668,
0.4803


 71.6040, 0.2668,
0.4803


 71.5897, 0.2669,
0.4809

 72.1697, 0.2640,
0.4640


 73.0412, 0.2630,
0.4471


 74.3014, 0.2641,
0.4299

 76.0013, 0.2672,
0.4127

 78.1837, 0.2721,
0.3961

 80.8860, 0.2785,
0.3803

 84.1422, 0.2861,
0.3655

 87.9829, 0.2946,
0.3520

 92.4367, 0.3037,
0.3397

Harmonies

Analogous

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



71.6040, 0.3582, 0.5152



71.6040, 0.2668, 0.4803



71.6040, 0.1931, 0.3752

Triad

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



71.6040, 0.2668, 0.4803



71.6040, 0.1807, 0.1860



71.6040, 0.5010, 0.3408

Complementary

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



71.6040, 0.2668, 0.4803



21.8373, 0.5273, 0.2680

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.



71.6040, 0.4380, 0.2770



71.6040, 0.2668, 0.4803



71.6040, 0.2429, 0.1926

Square

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



71.6040, 0.2668, 0.4803



71.6040, 0.1519, 0.2094



71.6040, 0.3366, 0.2246



71.6040, 0.4987, 0.4096

Rectangle

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



71.6040, 0.2668, 0.4803



71.6040, 0.1634, 0.3021



71.6040, 0.3366, 0.2246



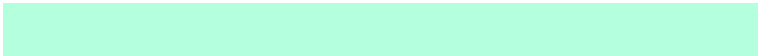
71.6040, 0.4868, 0.3188

Sweetspot

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



71.6069, 0.2668, 0.4803



86.3069, 0.2858, 0.3661



73.1900, 0.3290, 0.5768



18.1578, 0.2825, 0.3722



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.



71.6069, 0.2668, 0.4803



73.5428, 0.2669, 0.4810



69.0250, 0.2203, 0.3131



19.4738, 0.3038, 0.3395



37.3232, 0.2662, 0.4781



3.4781, 0.2607, 0.4586

Inverse Universe

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



21.8373, 0.5273, 0.2680



22.4011, 0.5284, 0.2684



20.9958, 0.6371, 0.3320



17.3504, 0.3226, 0.3187



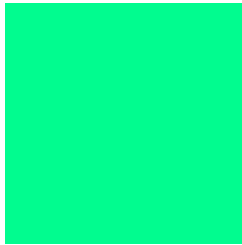
11.3884, 0.5241, 0.2661



1.0756, 0.4939, 0.2495

Previews

White Background



This preview shows how the Yxy color 71.6040, 0.2668, 0.4803 looks on a white background.

Color Contrast Check

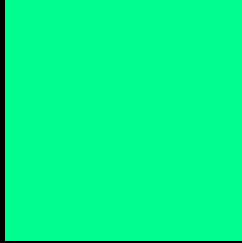
Large Text (above 18pt) WCAG AA × Fail

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 71.6040, 0.2668, 0.4803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

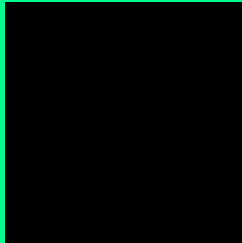
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

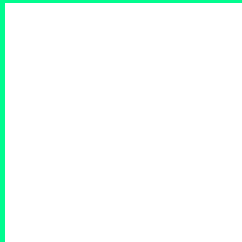
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.6040, 0.2668, 0.4803

Background



This preview shows how black text looks on a background with the Yxy color 71.6040, 0.2668, 0.4803.



This preview shows how white text looks on a background with the Yxy color 71.6040, 0.2668, 0.4803.

Color Blindness Simulation

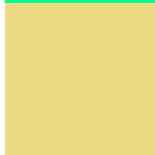
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

71.6104, 0.2668, 0.4803



Protanopia

69.9317, 0.3888, 0.4225



Deuteranopia

69.9975, 0.3826, 0.3777



Tritanopia

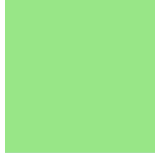
71.1679, 0.2371, 0.3074

Trichromacy



Original Color

71.6104, 0.2668, 0.4803



Protanomaly

65.0183, 0.3174, 0.4524



Deuteranomaly

64.0373, 0.3132, 0.4176



Tritanomaly

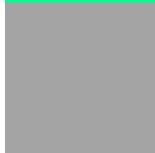
69.6989, 0.2436, 0.3653

Monochromacy



Original Color

71.6104, 0.2668, 0.4803



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

44.8834, 0.2747, 0.3906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6040, 0.2668, 0.4803 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, 143)` looks like.

```
.text, #text, p{  
    color:rgb(1, 252, 143)  
}
```

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, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 252, 143) }
```

Border

The CSS property to change the border of an element to Yxy 71.6040, 0.2668, 0.4803 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, 143) }
```

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

```
.border{ border-color:rgb(1, 252, 143) }
```

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, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 252, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 252, 143);  
box-shadow:4px 4px 4px 4px rgb(1, 252,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6040, 0.2668, 0.4803 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, 143) }
```

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

```
.background{ background-color: rgb(1, 252,  
143) }
```

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