

Converting Colors

$Y_{xy}(71.2418, 0.2550, 0.4378)$

Have a look what the booklet for
Yxy(71.2418, 0.2550, 0.4378)
contains.

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Color

Yxy(71.3179, 0.2549, 0.4376)

Conversions

Conversions Part 1

Format	Color
Hex	00FAAB
RGB	0, 250, 171
RGB Percent	0%, 98%, 67%
CMY	0.9994, 0.0196, 0.3293
CMYK	1.00, 0.00, 0.32, 0.02
HSL	161°, 100%, 49%
HSV	161°, 100%, 98%
XYZ	41.5424, 71.3179, 50.1148
YIQ	166.2440, -123.6410, -77.5690

Conversions

Conversions Part 2

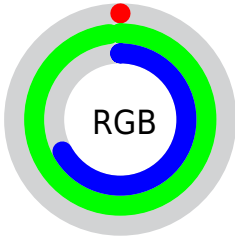
Format	Color
RYB	0, 148, 250
Decimal	64171
CIELab	87.64, -67.27, 24.27
CIELCh	88, 71.515, 160.162
Yxy	71.3179, 0.2549, 0.4376
Android (android.graphics.Color)	4278254251 (0xFF00FAAB)
YUV	166.2440, 2.3447, -145.7960
Hunter-Lab	84.4499, -59.9802, 23.9307

Details

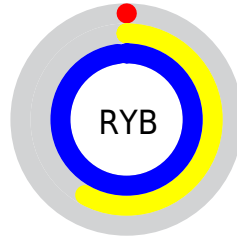
The Yxy color **71.3179, 0.2549, 0.4376** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **20.8965, 0.5749, 0.2941**, and the grayscale version is **38.3204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6435, 0.2543, 0.3625**, and **39.0073, 0.2614, 0.4609** is the 20% darker color. If you saturate the color by 10%, you get **71.3177, 0.2549, 0.4377**, and if you desaturate by 10%, it is **71.8390, 0.2531, 0.4256**.

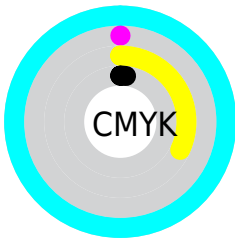
Distribution



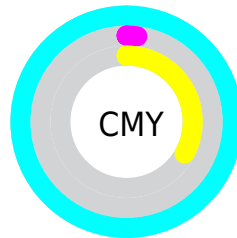
- Red (0%)
- Green (98%)
- Blue (67%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.3179, 0.2549, 0.4376 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 71.3179, 0.2549, 0.4376 by changing the saturation by 10% instead.


 71.3179, 0.2549,
0.4376

 71.3179, 0.2549,
0.4376


465.1640, 0.2834,
0.3836


 52.6017, 0.2480,
0.4509


 121.0863, 0.2651,
0.4181

 37.4849, 0.2393,
0.4677


 152.9072, 0.2690,
0.4107


 25.5831, 0.2279,
0.4899


 189.8651, 0.2723,
0.4045

 16.5120, 0.2125,
0.5200

 232.3445, 0.2751,
0.3991

 9.8872, 0.1908,
0.5632

 280.7297, 0.2776,
0.3945

 5.3242, 0.1584,
0.6288

335.4050, 0.2797,

 2.4387, 0.0694,

0.3904

0.7913

396.7550, 0.2817,
0.3868

■ 0.8457, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 71.3179, 0.2549,
0.4376

■ 71.3179, 0.2549,
0.4376

■ 71.3177, 0.2549,
0.4377

■ 71.8390, 0.2531,
0.4256

■ 72.6415, 0.2531,
0.4134

■ 73.8093, 0.2551,
0.4012

■ 75.3921, 0.2591,
0.3891

■ 77.4316, 0.2650,
0.3773

■ 79.9643, 0.2725,
0.3661

■ 83.0228, 0.2813,
0.3556

■ 86.6371, 0.2912,
0.3459

■ 90.8347, 0.3018,
0.3370

Harmonies

Analogous

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



71.3179, 0.3344, 0.4879



71.3179, 0.2549, 0.4376



71.3179, 0.1956, 0.3443

Triad

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



71.3179, 0.2549, 0.4376



71.3179, 0.2074, 0.2007



71.3179, 0.4819, 0.3586

Complementary

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



71.3179, 0.2549, 0.4376



20.8965, 0.5749, 0.2941

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.



71.3179, 0.4403, 0.2987



71.3179, 0.2549, 0.4376



71.3179, 0.2715, 0.2127

Square

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



71.3179, 0.2549, 0.4376



71.3179, 0.1731, 0.2154



71.3179, 0.3581, 0.2473



71.3179, 0.4685, 0.4205

Rectangle

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



71.3179, 0.2549, 0.4376



71.3179, 0.1740, 0.2862



71.3179, 0.3581, 0.2473



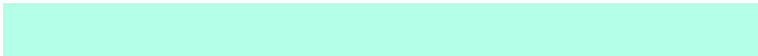
71.3179, 0.4741, 0.3381

Sweetspot

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



71.3207, 0.2549, 0.4376



86.8033, 0.2812, 0.3557



70.0533, 0.3145, 0.5885



18.2762, 0.2774, 0.3600



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.



71.3207, 0.2549, 0.4376



74.5909, 0.2549, 0.4378



50.1879, 0.2078, 0.2681



19.5097, 0.3023, 0.3366



37.8524, 0.2544, 0.4357



3.5250, 0.2504, 0.4213

Inverse Universe

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



20.8965, 0.5749, 0.2941



21.8484, 0.5753, 0.2943



22.2782, 0.6230, 0.3435



17.3156, 0.3244, 0.3215



11.1031, 0.5708, 0.2918



1.0467, 0.5372, 0.2733

Previews

White Background



This preview shows how the Yxy color 71.3179, 0.2549, 0.4376 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 71.3179, 0.2549, 0.4376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

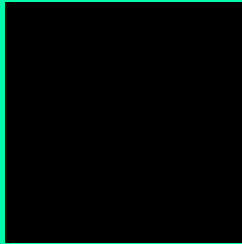
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.3179, 0.2549, 0.4376

Background



This preview shows how black text looks on a background with the Yxy color 71.3179, 0.2549, 0.4376.

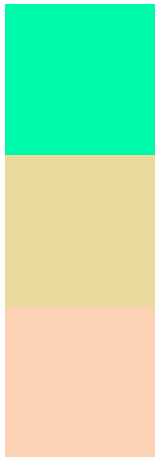


This preview shows how white text looks on a background with the Yxy color 71.3179, 0.2549, 0.4376.

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

71.3115, 0.2549, 0.4376

Protanopia

69.5525, 0.3678, 0.3945

Deuteranopia

69.5917, 0.3676, 0.3594



Tritanopia

70.8525, 0.2354, 0.3073

Trichromacy



Original Color

71.3115, 0.2549, 0.4376



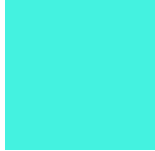
Protanomaly

65.0368, 0.3004, 0.4163



Deuteranomaly

63.9592, 0.2986, 0.3890



Tritanomaly

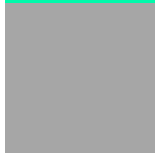
70.1150, 0.2388, 0.3519

Monochromacy



Original Color

71.3115, 0.2549, 0.4376



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

45.8238, 0.2682, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3179, 0.2549, 0.4376 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 171) }
```

Border

The CSS property to change the border of an element to Yxy 71.3179, 0.2549, 0.4376 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, 171) }
```

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

```
.border{ border-color:rgb(0, 250, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 71.3179, 0.2549, 0.4376 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, 171) }
```

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

```
.background{ background-color: rgb(0, 250,  
171) }
```

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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