

Converting Colors

$Y_{xy}(73.7935, 0.2638, 0.4698)$

Have a look what the booklet for
Yxy(73.7935, 0.2638, 0.4698)
contains.

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Color

Yxy(73.7870, 0.2639, 0.4700)

Conversions

Conversions Part 1

Format	Color
Hex	00FF98
RGB	0, 255, 152
RGB Percent	0%, 100%, 60%
CMY	0.9993, 0.0000, 0.4038
CMYK	1.00, 0.00, 0.40, 0.00
HSL	156°, 100%, 50%
HSV	156°, 100%, 100%
XYZ	41.4306, 73.7870, 41.7760
YIQ	167.0130, -118.9170, -86.0930

Conversions

Conversions Part 2

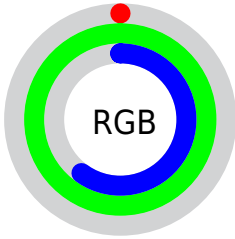
Format	Color
RYB	0, 160, 255
Decimal	65432
CIELab	88.82, -72.71, 35.40
CIELCh	89, 80.868, 154.041
Yxy	73.7870, 0.2639, 0.4700
Android (android.graphics.Color)	4278255512 (0xFF00FF98)
YUV	167.0130, -7.4014, -146.4704
Hunter-Lab	85.8994, -64.2305, 31.2947

Details

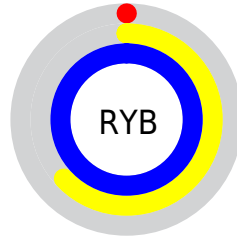
The Yxy color **73.7870, 0.2639, 0.4700** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **22.2458, 0.5408, 0.2753**, and the grayscale version is **38.7580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6698, 0.2635, 0.3880**, and **40.8526, 0.2719, 0.4989** is the 20% darker color. If you saturate the color by 10%, you get **73.7857, 0.2639, 0.4701**, and if you desaturate by 10%, it is **74.3558, 0.2613, 0.4547**.

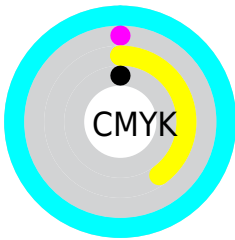
Distribution



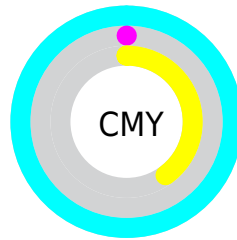
- Red (0%)
- Green (100%)
- Blue (60%)



- Red (0%)
- Yellow (63%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.7870, 0.2639, 0.4700 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 73.7870, 0.2639, 0.4700 by changing the saturation by 10% instead.

 73.7870, 0.2639,
0.4700

 73.7870, 0.2639,
0.4700


473.7379, 0.2893,
0.3994


 54.6197, 0.2574,
0.4874

 124.5938, 0.2733,
0.4445

 39.0973, 0.2490,
0.5095


 157.0022, 0.2768,
0.4348

 26.8355, 0.2378,
0.5383


 194.5930, 0.2797,
0.4267

 17.4497, 0.2222,
0.5773

 237.7506, 0.2822,
0.4196

 10.5556, 0.1994,
0.6322

 286.8596, 0.2843,
0.4136

 5.7689, 0.1642,
0.7123


342.3042, 0.2862,

 2.7051, 0.0706,


0.4082


0.9294

404.4688, 0.2878,
0.4035


 0.9798, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.7870, 0.2639,
0.4700


 73.7870, 0.2639,
0.4700


 73.7857, 0.2639,
0.4701


 74.3558, 0.2613,
0.4547


 75.2313, 0.2605,
0.4389

 76.5005, 0.2617,
0.4229

 78.2159, 0.2650,
0.4071

 80.4217, 0.2701,
0.3917

 83.1564, 0.2768,
0.3770

 86.4548, 0.2847,
0.3633

 90.3485, 0.2936,
0.3507

 94.8667, 0.3030,
0.3392

Harmonies

Analogous

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



73.7870, 0.3526, 0.5092



73.7870, 0.2639, 0.4700



73.7870, 0.1936, 0.3674

Triad

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



73.7870, 0.2639, 0.4700



73.7870, 0.1869, 0.1893



73.7870, 0.4967, 0.3451

Complementary

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



73.7870, 0.2639, 0.4700



22.2458, 0.5408, 0.2753

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.



73.7870, 0.4389, 0.2821



73.7870, 0.2639, 0.4700



73.7870, 0.2496, 0.1972

Square

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



73.7870, 0.2639, 0.4700



73.7870, 0.1568, 0.2107



73.7870, 0.3419, 0.2299



73.7870, 0.4916, 0.4125

Rectangle

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



73.7870, 0.2639, 0.4700



73.7870, 0.1658, 0.2980



73.7870, 0.3419, 0.2299



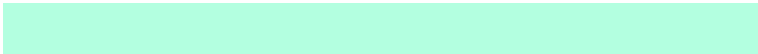
73.7870, 0.4841, 0.3234

Sweetspot

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



73.7891, 0.2639, 0.4700



86.4308, 0.2847, 0.3634



74.6060, 0.3247, 0.5803



18.1873, 0.2812, 0.3691



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

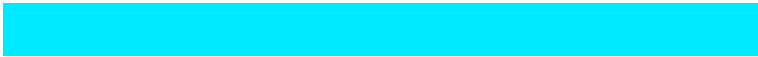
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.7891, 0.2639, 0.4700



73.7857, 0.2639, 0.4701



65.9325, 0.2173, 0.3022



20.3499, 0.3034, 0.3388



38.5850, 0.2632, 0.4676



3.7785, 0.2584, 0.4501

Inverse Universe

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



22.2458, 0.5408, 0.2753



22.2401, 0.5410, 0.2754



21.8117, 0.6352, 0.3337



18.1087, 0.3230, 0.3194



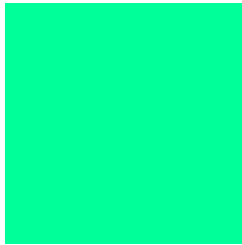
11.6486, 0.5367, 0.2730



1.1551, 0.5068, 0.2565

Previews

White Background



This preview shows how the Yxy color 73.7870, 0.2639, 0.4700 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 73.7870, 0.2639, 0.4700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

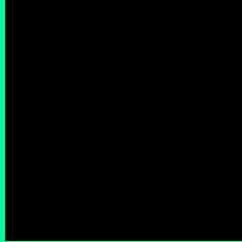
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.7870, 0.2639, 0.4700

Background



This preview shows how black text looks on a background with the Yxy color 73.7870, 0.2639, 0.4700.

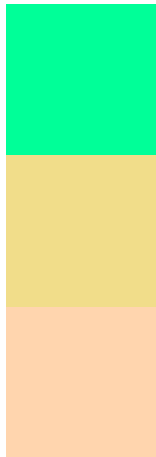


This preview shows how white text looks on a background with the Yxy color 73.7870, 0.2639, 0.4700.

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

73.7870, 0.2639, 0.4700

Protanopia

72.2487, 0.3847, 0.4166

Deuteranopia

71.9045, 0.3733, 0.3694



Tritanopia

72.9583, 0.2436, 0.3090

Trichromacy



Original Color

73.7870, 0.2639, 0.4700



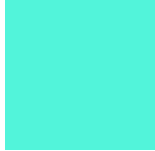
Protanomaly

67.0333, 0.3134, 0.4448



Deuteranomaly

65.9214, 0.3064, 0.4078



Tritanomaly

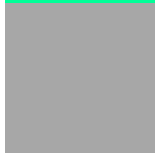
71.5572, 0.2453, 0.3621

Monochromacy



Original Color

73.7870, 0.2639, 0.4700



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

46.5197, 0.2722, 0.3850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7870, 0.2639, 0.4700 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, 255, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 152)  
}
```

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, 255, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 152) }
```

Border

The CSS property to change the border of an element to Yxy 73.7870, 0.2639, 0.4700 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, 255, 152) }
```

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

```
.border{ border-color:rgb(0, 255, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7870, 0.2639, 0.4700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 152) }
```

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

```
.background{ background-color: rgb(0, 255,  
152) }
```

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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