

Converting Colors

$Y_{xy}(100.0000, 0.2573, 0.4792)$

Have a look what the booklet for
Yxy(100.0000, 0.2573, 0.4792)
contains.

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Color

Yxy(74.4603, 0.2563, 0.4427)

Conversions

Conversions Part 1

Format	Color
Hex	00FFAB
RGB	0, 255, 171
RGB Percent	0%, 100%, 67%
CMY	1.0000, 0.0000, 0.3294
CMYK	1.00, 0.00, 0.33, 0.00
HSL	160°, 100%, 50%
HSV	160°, 100%, 100%
XYZ	43.1086, 74.4603, 50.6269
YIQ	169.1790, -125.0160, -80.1840

Conversions

Conversions Part 2

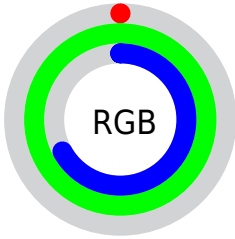
Format	Color
RYB	0, 153, 255
Decimal	65451
CIELab	89.14, -69.03, 26.33
CIELCh	89, 73.880, 159.119
Yxy	74.4603, 0.2563, 0.4427
Android (android.graphics.Color)	4278255531 (0xFF00FFAB)
YUV	169.1790, 0.8978, -148.3700
Hunter-Lab	86.2904, -61.8339, 25.6176

Details

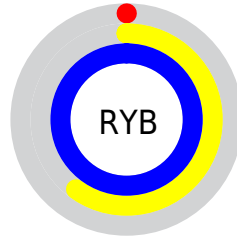
The Yxy color **74.4603, 0.2563, 0.4427** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **21.9001, 0.5705, 0.2916**, and the grayscale version is **39.8109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7791, 0.2550, 0.3624**, and **41.2405, 0.2630, 0.4668** is the 20% darker color. If you saturate the color by 10%, you get **74.4603, 0.2563, 0.4427**, and if you desaturate by 10%, it is **75.0040, 0.2544, 0.4302**.

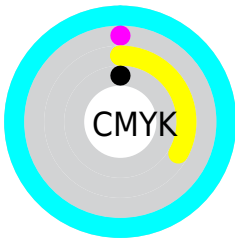
Distribution



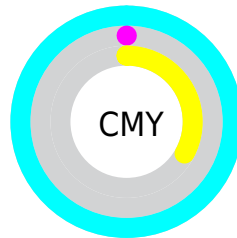
- Red (0%)
- Green (100%)
- Blue (67%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.4603, 0.2563, 0.4427 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 74.4603, 0.2563, 0.4427 by changing the saturation by 10% instead.


 74.4603, 0.2563,
0.4427


 74.4603, 0.2563,
0.4427


476.0605, 0.2841,
0.3864

 55.1709, 0.2496,
0.4564

 125.5481, 0.2663,
0.4225


 39.5385, 0.2410,
0.4738

 158.1152, 0.2700,
0.4148

 27.1789, 0.2300,
0.4966


 195.8771, 0.2733,
0.4083

 17.7077, 0.2150,
0.5274

 239.2180, 0.2760,
0.4027

 10.7403, 0.1939,
0.5711

 288.5224, 0.2784,
0.3978

 5.8925, 0.1625,
0.6367

344.1747, 0.2805,

 2.7798, 0.0920,

0.3936

0.7776

406.5593, 0.2824,
0.3898

■ 1.0179, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.4603, 0.2563,
0.4427


■ 75.0040, 0.2544,
0.4302

■ 75.8460, 0.2542,
0.4174


■ 77.0717, 0.2560,
0.4046


■ 78.7333, 0.2599,
0.3919

 80.8746, 0.2657,
0.3796

 83.5341, 0.2730,
0.3679

 86.7462, 0.2818,
0.3569

 90.5422, 0.2915,
0.3467

 94.9511, 0.3019,
0.3374

Harmonies

Analogous

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



74.4603, 0.3373, 0.4915



74.4603, 0.2563, 0.4427



74.4603, 0.1953, 0.3478

Triad

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



74.4603, 0.2563, 0.4427



74.4603, 0.2040, 0.1988



74.4603, 0.4844, 0.3565

Complementary

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



74.4603, 0.2563, 0.4427



21.9001, 0.5705, 0.2916

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.



74.4603, 0.4402, 0.2960



74.4603, 0.2563, 0.4427



74.4603, 0.2680, 0.2102

Square

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



74.4603, 0.2563, 0.4427



74.4603, 0.1704, 0.2146



74.4603, 0.3556, 0.2445



74.4603, 0.4722, 0.4194

Rectangle

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



74.4603, 0.2563, 0.4427



74.4603, 0.1726, 0.2879



74.4603, 0.3556, 0.2445



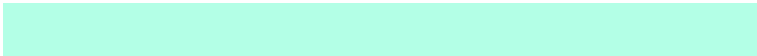
74.4603, 0.4759, 0.3358

Sweetspot

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



74.4603, 0.2563, 0.4427



86.7462, 0.2818, 0.3569



73.4513, 0.3159, 0.5874



18.2625, 0.2779, 0.3614



0.0000, 0.0000, 0.0000



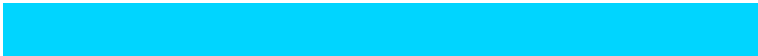
21.4041, 0.3127, 0.3290

Same Dimension

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



74.4603, 0.2563, 0.4427



54.5573, 0.2094, 0.2739



20.3737, 0.3024, 0.3369



38.9358, 0.2557, 0.4406



3.8112, 0.2518, 0.4263

Inverse Universe

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



21.9001, 0.5705, 0.2916



22.9516, 0.6258, 0.3413



18.0857, 0.3242, 0.3212



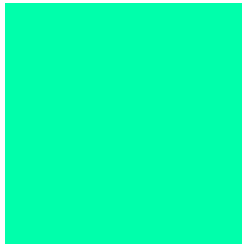
11.4677, 0.5661, 0.2892



1.1358, 0.5343, 0.2717

Previews

White Background



This preview shows how the Yxy color 74.4603, 0.2563, 0.4427 looks on a white background.

Color Contrast Check

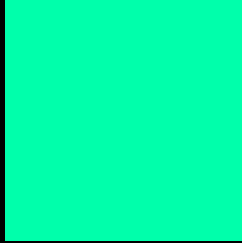
Large Text (above 18pt) WCAG AA × Fail

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 74.4603, 0.2563, 0.4427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

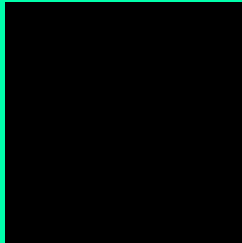
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

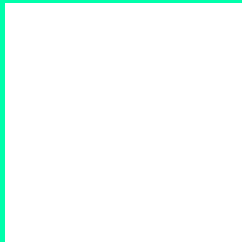
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.4603, 0.2563, 0.4427

Background



This preview shows how black text looks on a background with the Yxy color 74.4603, 0.2563, 0.4427.

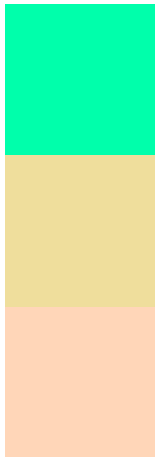


This preview shows how white text looks on a background with the Yxy color 74.4603, 0.2563, 0.4427.

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

74.4603, 0.2563, 0.4427

Protanopia

72.9936, 0.3707, 0.3996

Deuteranopia

72.8138, 0.3656, 0.3600



Tritanopia

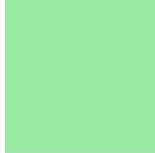
73.8585, 0.2454, 0.3102

Trichromacy



Original Color

74.4603, 0.2563, 0.4427



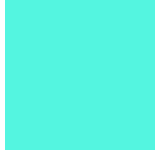
Protanomaly

68.0942, 0.3028, 0.4225



Deuteranomaly

66.9747, 0.2987, 0.3919



Tritanomaly

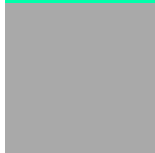
72.5715, 0.2436, 0.3553

Monochromacy



Original Color

74.4603, 0.2563, 0.4427



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

47.3990, 0.2687, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.4603, 0.2563, 0.4427 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 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, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 171) }
```

Border

The CSS property to change the border of an element to Yxy 74.4603, 0.2563, 0.4427 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, 171) }
```

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

```
.border{ border-color:rgb(0, 255, 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, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
171) }
```

Background

The CSS property to change the background color of an element to Yxy 74.4603, 0.2563, 0.4427 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, 171) }
```

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

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