

Converting Colors

$Y_{xy}(74.6645, 0.2542, 0.4351)$

Have a look what the booklet for
Yxy(74.6645, 0.2542, 0.4351)
contains.

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Color

Yxy(74.6546, 0.2543, 0.4355)

Conversions

Conversions Part 1

Format	Color
Hex	00FFB0
RGB	0, 255, 176
RGB Percent	0%, 100%, 69%
CMY	1.0000, 0.0000, 0.3099
CMYK	1.00, 0.00, 0.31, 0.00
HSL	161°, 100%, 50%
HSV	161°, 100%, 100%
XYZ	43.5928, 74.6546, 53.1753
YIQ	169.7490, -126.6210, -78.6290

Conversions

Conversions Part 2

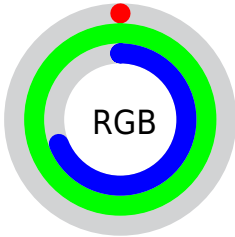
Format	Color
RYB	0, 151, 255
Decimal	65456
CIELab	89.23, -67.99, 23.93
CIELCh	89, 72.078, 160.607
Yxy	74.6546, 0.2543, 0.4355
Android (android.graphics.Color)	4278255536 (0xFF00FFB0)
YUV	169.7490, 3.0817, -148.8699
Hunter-Lab	86.4029, -61.1466, 23.9929

Details

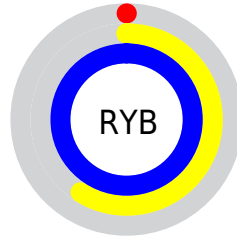
The Yxy color **74.6546, 0.2543, 0.4355** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **21.8248, 0.5776, 0.2956**, and the grayscale version is **40.0971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0592, 0.2528, 0.3562**, and **41.3626, 0.2605, 0.4576** is the 20% darker color. If you saturate the color by 10%, you get **74.6538, 0.2543, 0.4355**, and if you desaturate by 10%, it is **75.1889, 0.2526, 0.4238**.

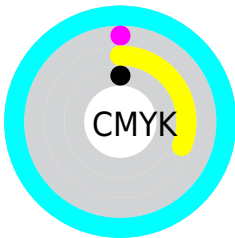
Distribution



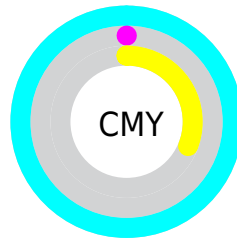
- Red (0%)
- Green (100%)
- Blue (69%)



- Red (0%)
- Yellow (59%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.6546, 0.2543, 0.4355 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 74.6546, 0.2543, 0.4355 by changing the saturation by 10% instead.

 74.6546, 0.2543,
0.4355

 74.6546, 0.2543,
0.4355

476.7295, 0.2827,
0.3830

 55.3300, 0.2475,
0.4483

 125.8233, 0.2644,
0.4167

 39.6660, 0.2389,
0.4644


 158.4362, 0.2683,
0.4095


 27.2782, 0.2278,
0.4855


 196.2473, 0.2716,
0.4034

 17.7823, 0.2129,
0.5140

 239.6409, 0.2744,
0.3982

 10.7938, 0.1922,
0.5545

 289.0016, 0.2769,
0.3937

 5.9283, 0.1616,
0.6153


344.7137, 0.2791,

 2.8016, 0.0955,

0.3897

0.7353

407.1615, 0.2810,
0.3861


 1.0290, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.6546, 0.2543,
0.4355


 74.6546, 0.2543,
0.4355

 74.6538, 0.2543,
0.4355

 75.1889, 0.2526,
0.4238

 76.0200, 0.2525,
0.4118

 77.2326, 0.2545,
0.3998

 78.8786, 0.2586,
0.3880

■ 81.0021, 0.2645,
0.3764

■ 83.6412, 0.2721,
0.3655

■ 86.8304, 0.2810,
0.3552

■ 90.6010, 0.2909,
0.3456

■ 94.9818, 0.3016,
0.3369

Harmonies

Analogous

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



74.6546, 0.3332, 0.4864



74.6546, 0.2543, 0.4355



74.6546, 0.1958, 0.3429

Triad

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



74.6546, 0.2543, 0.4355



74.6546, 0.2088, 0.2015



74.6546, 0.4809, 0.3595

Complementary

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



74.6546, 0.2543, 0.4355



21.8248, 0.5776, 0.2956

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.



74.6546, 0.4404, 0.2998



74.6546, 0.2543, 0.4355



74.6546, 0.2730, 0.2138

Square

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



74.6546, 0.2543, 0.4355



74.6546, 0.1742, 0.2157



74.6546, 0.3591, 0.2485



74.6546, 0.4669, 0.4210

Rectangle

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



74.6546, 0.2543, 0.4355



74.6546, 0.1745, 0.2854



74.6546, 0.3591, 0.2485



74.6546, 0.4735, 0.3391

Sweetspot

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



74.6538, 0.2543, 0.4355



86.8304, 0.2810, 0.3552



73.2583, 0.3144, 0.5886



18.2827, 0.2771, 0.3594



0.0000, 0.0000, 0.0000



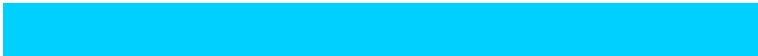
21.4041, 0.3127, 0.3290

Same Dimension

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



74.6538, 0.2543, 0.4355



52.4538, 0.2078, 0.2680



20.3800, 0.3021, 0.3365



39.0363, 0.2538, 0.4335



3.8205, 0.2500, 0.4201

Inverse Universe

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



21.8248, 0.5776, 0.2956



23.2731, 0.6232, 0.3433



18.0798, 0.3245, 0.3217



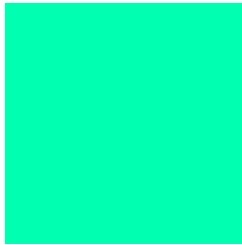
11.4273, 0.5733, 0.2932



1.1313, 0.5413, 0.2756

Previews

White Background



This preview shows how the Yxy color 74.6546, 0.2543, 0.4355 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 74.6546, 0.2543, 0.4355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

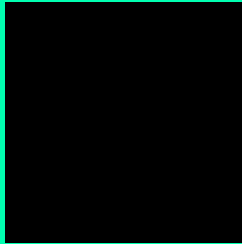
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.6546, 0.2543, 0.4355

Background



This preview shows how black text looks on a background with the Yxy color 74.6546, 0.2543, 0.4355.



This preview shows how white text looks on a background with the Yxy color 74.6546, 0.2543, 0.4355.

Color Blindness Simulation

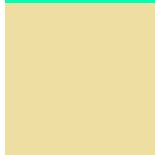
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



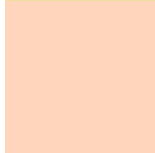
Original Color

74.6546, 0.2543, 0.4355



Protanopia

73.1665, 0.3673, 0.3943



Deuteranopia

72.9410, 0.3633, 0.3569



Tritanopia

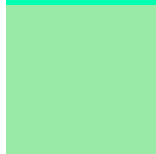
73.9395, 0.2458, 0.3103

Trichromacy



Original Color

74.6546, 0.2543, 0.4355



Protanomaly

68.2742, 0.3000, 0.4158



Deuteranomaly

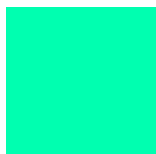
67.1389, 0.2964, 0.3866



Tritanomaly

72.7271, 0.2431, 0.3527

Monochromacy



Original Color

74.6546, 0.2543, 0.4355



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

47.9400, 0.2677, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6546, 0.2543, 0.4355 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 176) }
```

Border

The CSS property to change the border of an element to Yxy 74.6546, 0.2543, 0.4355 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, 176) }
```

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

```
.border{ border-color:rgb(0, 255, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
176) }
```

Background

The CSS property to change the background color of an element to Yxy 74.6546, 0.2543, 0.4355 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, 176) }
```

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

```
.background{ background-color: rgb(0, 255,  
176) }
```

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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