

Converting Colors

$Y_{xy}(74.0579, 0.2536, 0.4330)$

Have a look what the booklet for
Yxy(74.0579, 0.2536, 0.4330)
contains.

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Color

Yxy(74.0579, 0.2536, 0.4330)

Conversions

Conversions Part 1

Format	Color
Hex	00FEB1
RGB	0, 254, 177
RGB Percent	0%, 100%, 69%
CMY	1.0000, 0.0039, 0.3059
CMYK	1.00, 0.00, 0.30, 0.00
HSL	162°, 100%, 50%
HSV	162°, 100%, 100%
XYZ	43.3743, 74.0579, 53.6022
YIQ	169.2760, -126.6670, -77.7950

Conversions

Conversions Part 2

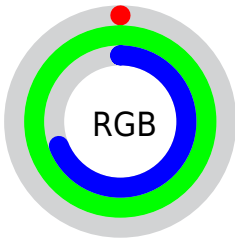
Format	Color
RYB	0, 150, 254
Decimal	65201
CIELab	88.95, -67.42, 23.03
CIELCh	89, 71.247, 161.143
Yxy	74.0579, 0.2536, 0.4330
Android (android.graphics.Color)	4278255281 (0xFF00FEB1)
YUV	169.2760, 3.8079, -148.4551
Hunter-Lab	86.0569, -60.6322, 23.3099

Details

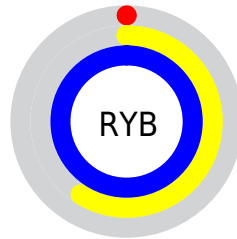
The Yxy color **74.0579, 0.2536, 0.4330** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **21.6082, 0.5799, 0.2968**, and the grayscale version is **39.8497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0480, 0.2520, 0.3550**, and **40.9351, 0.2596, 0.4546** is the 20% darker color. If you saturate the color by 10%, you get **74.0627, 0.2536, 0.4330**, and if you desaturate by 10%, it is **74.5904, 0.2519, 0.4215**.

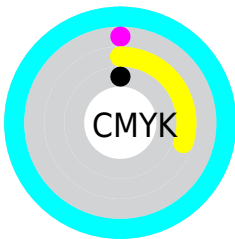
Distribution



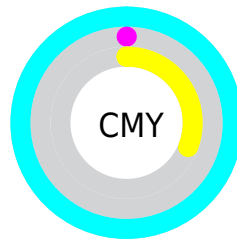
- Red (0%)
- Green (100%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0579, 0.2536, 0.4330 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 74.0579, 0.2536, 0.4330 by changing the saturation by 10% instead.


 74.0579, 0.2536,
0.4330

 74.0579, 0.2536,
0.4330


474.6732, 0.2823,
0.3817


 54.8414, 0.2467,
0.4455


 124.9779, 0.2638,
0.4146

 39.2748, 0.2381,
0.4613


 157.4502, 0.2677,
0.4076

 26.9736, 0.2269,
0.4819


 195.1099, 0.2710,
0.4017

 17.5534, 0.2120,
0.5098

 238.3414, 0.2739,
0.3966

 10.6298, 0.1911,
0.5494

 287.5291, 0.2764,
0.3921

 5.8185, 0.1605,
0.6092


343.0573, 0.2786,

 2.7350, 0.0926,

0.3883


0.7279

405.3106, 0.2806,
0.3848

 0.9950, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.0579, 0.2536,
0.4330


 74.0579, 0.2536,
0.4330


 74.0627, 0.2536,
0.4330


 74.5904, 0.2519,
0.4215


 75.4107, 0.2520,
0.4099

 76.6081, 0.2540,
0.3982


 78.2344, 0.2581,
0.3866

 80.3330, 0.2641,
0.3754

 82.9417, 0.2718,
0.3646

 86.0945, 0.2807,
0.3546

 89.8226, 0.2908,
0.3452

 94.1545, 0.3015,
0.3367

Harmonies

Analogous

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



74.0579, 0.3317, 0.4846



74.0579, 0.2536, 0.4330



74.0579, 0.1960, 0.3412

Triad

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



74.0579, 0.2536, 0.4330



74.0579, 0.2105, 0.2024



74.0579, 0.4797, 0.3606

Complementary

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



74.0579, 0.2536, 0.4330



21.6082, 0.5799, 0.2968

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.



74.0579, 0.4404, 0.3011



74.0579, 0.2536, 0.4330



74.0579, 0.2747, 0.2150

Square

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



74.0579, 0.2536, 0.4330



74.0579, 0.1756, 0.2161



74.0579, 0.3603, 0.2499



74.0579, 0.4651, 0.4216

Rectangle

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



74.0579, 0.2536, 0.4330



74.0579, 0.1752, 0.2846



74.0579, 0.3603, 0.2499



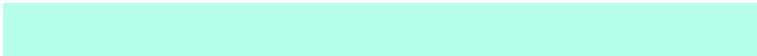
74.0579, 0.4726, 0.3403

Sweetspot

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



74.0627, 0.2536, 0.4330



86.8595, 0.2807, 0.3546



72.6129, 0.3144, 0.5886



18.2896, 0.2768, 0.3587



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.



74.0627, 0.2536, 0.4330



74.7220, 0.2536, 0.4330



51.9952, 0.2078, 0.2680



20.3821, 0.3021, 0.3363



39.0716, 0.2531, 0.4311



3.8237, 0.2494, 0.4180

Inverse Universe

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



21.6082, 0.5799, 0.2968



21.8002, 0.5800, 0.2969



23.0709, 0.6232, 0.3434



18.0777, 0.3246, 0.3218



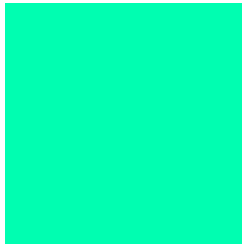
11.4141, 0.5757, 0.2945



1.1298, 0.5437, 0.2769

Previews

White Background



This preview shows how the Yxy color 74.0579, 0.2536, 0.4330 looks on a white background.

Color Contrast Check

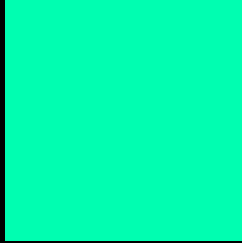
Large Text (above 18pt) WCAG AA × Fail

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 74.0579, 0.2536, 0.4330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

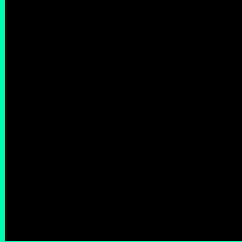
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.0579, 0.2536, 0.4330

Background



This preview shows how black text looks on a background with the Yxy color 74.0579, 0.2536, 0.4330.



This preview shows how white text looks on a background with the Yxy color 74.0579, 0.2536, 0.4330.

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

74.0579, 0.2536, 0.4330

Protanopia

72.4987, 0.3661, 0.3924

Deuteranopia

72.3937, 0.3643, 0.3569



Tritanopia

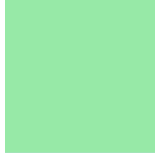
73.6201, 0.2442, 0.3102

Trichromacy



Original Color

74.0579, 0.2536, 0.4330



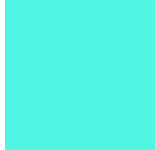
Protanomaly

67.6472, 0.2988, 0.4136



Deuteranomaly

66.5871, 0.2964, 0.3855



Tritanomaly

72.0413, 0.2416, 0.3502

Monochromacy



Original Color

74.0579, 0.2536, 0.4330



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

47.4753, 0.2675, 0.3705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0579, 0.2536, 0.4330 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, 254, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 254, 177)  
}
```

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, 254, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 254, 177) }
```

Border

The CSS property to change the border of an element to Yxy 74.0579, 0.2536, 0.4330 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, 254, 177) }
```

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

```
.border{ border-color:rgb(0, 254, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 254, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 254, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 254, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 254,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 74.0579, 0.2536, 0.4330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 254, 177) }
```

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

```
.background{ background-color: rgb(0, 254,  
177) }
```

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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