

Converting Colors

$Y_{xy}(74.9940, 0.2545, 0.4305)$

Have a look what the booklet for
Yxy(74.9940, 0.2545, 0.4305)
contains.

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Color

Yxy(74.9943, 0.2546, 0.4307)

Conversions

Conversions Part 1

Format	Color
Hex	1AFFB3
RGB	26, 255, 179
RGB Percent	10%, 100%, 70%
CMY	0.8965, 0.0000, 0.2980
CMYK	0.90, 0.00, 0.30, 0.00
HSL	160°, 100%, 55%
HSV	160°, 90%, 100%
XYZ	44.3314, 74.9943, 54.7962
YIQ	177.8650, -112.0880, -72.1840

Conversions

Conversions Part 2

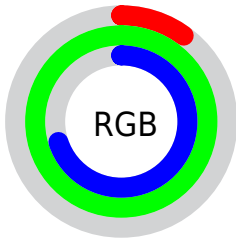
Format	Color
RYB	26, 163, 255
Decimal	1769395
CIELab	89.39, -66.51, 22.62
CIELCh	89, 70.253, 161.214
Yxy	74.9943, 0.2546, 0.4307
Android (android.graphics.Color)	4279959475 (0xFF1AFFB3)
YUV	177.8650, 0.5596, -133.1856
Hunter-Lab	86.5992, -60.1719, 23.1034

Details

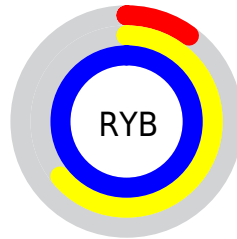
The Yxy color **74.9943, 0.2546, 0.4307** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **22.9824, 0.5383, 0.2810**, and the grayscale version is **44.5529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5112, 0.2530, 0.3525**, and **41.4389, 0.2589, 0.4521** is the 20% darker color. If you saturate the color by 10%, you get **74.4456, 0.2565, 0.4433**, and if you desaturate by 10%, it is **75.8533, 0.2544, 0.4178**.

Distribution



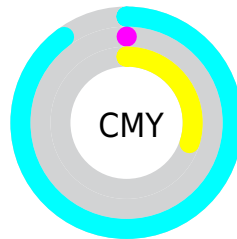
- Red (10%)
- Green (100%)
- Blue (70%)



- Red (10%)
- Yellow (64%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (90%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.9943, 0.2546, 0.4307 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 74.9943, 0.2546, 0.4307 by changing the saturation by 10% instead.


 74.9943, 0.2546,
0.4307


 74.9943, 0.2546,
0.4307


477.8980, 0.2827,
0.3807

 55.6082, 0.2479,
0.4428


 126.3043, 0.2646,
0.4128

 39.8889, 0.2395,
0.4581

 158.9970, 0.2684,
0.4060

 27.4519, 0.2286,
0.4781

 196.8940, 0.2717,
0.4002

 17.9129, 0.2141,
0.5051

 240.3798, 0.2745,
0.3952

 10.8875, 0.1939,
0.5433

289.8387, 0.2770,
0.3909

 5.9912, 0.1642,
0.6008


345.6551, 0.2791,

 2.8397, 0.1039,

0.3871

0.7078

408.2134, 0.2810,
0.3837


 1.0487, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 74.9943, 0.2546,
0.4307

 74.9943, 0.2546,
0.4307


 74.4456, 0.2565,
0.4433


 75.8533, 0.2544,
0.4178


 74.4285, 0.2566,
0.4438

 77.0954, 0.2563,
0.4049


 78.7754, 0.2603,
0.3921

 80.9369, 0.2661,
0.3797

 83.6182, 0.2735,
0.3678

 86.8536, 0.2822,
0.3567

 90.6744, 0.2919,
0.3465

 95.1095, 0.3023,
0.3371

99.9969, 0.3127,
0.3290

Harmonies

Analogous

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



74.9943, 0.3315, 0.4815



74.9943, 0.2546, 0.4307



74.9943, 0.1978, 0.3409

Triad

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



74.9943, 0.2546, 0.4307



74.9943, 0.2122, 0.2043



74.9943, 0.4768, 0.3606

Complementary

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



74.9943, 0.2546, 0.4307



22.9824, 0.5383, 0.2810

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.



74.9943, 0.4382, 0.3018



74.9943, 0.2546, 0.4307



74.9943, 0.2756, 0.2168

Square

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



74.9943, 0.2546, 0.4307



74.9943, 0.1776, 0.2178



74.9943, 0.3598, 0.2512



74.9943, 0.4626, 0.4207

Rectangle

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



74.9943, 0.2546, 0.4307



74.9943, 0.1772, 0.2854



74.9943, 0.3598, 0.2512



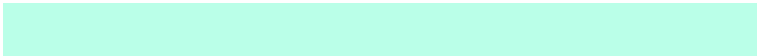
74.9943, 0.4699, 0.3406

Sweetspot

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



74.9973, 0.2546, 0.4307



87.8108, 0.2847, 0.3539



74.4531, 0.3213, 0.5766



18.5336, 0.2815, 0.3576



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.



74.9973, 0.2546, 0.4307



74.4317, 0.2566, 0.4438



57.0165, 0.2125, 0.2800



20.3728, 0.3025, 0.3370



38.9210, 0.2560, 0.4417



3.8099, 0.2520, 0.4272

Inverse Universe

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



22.9824, 0.5383, 0.2810



21.9119, 0.5694, 0.2910



25.0587, 0.6021, 0.3485



18.0866, 0.3242, 0.3211



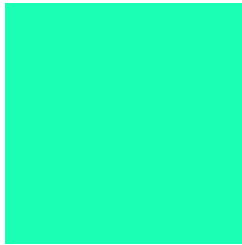
11.4740, 0.5650, 0.2886



1.1365, 0.5332, 0.2711

Previews

White Background



This preview shows how the Yxy color 74.9943, 0.2546, 0.4307 looks on a white background.

Color Contrast Check

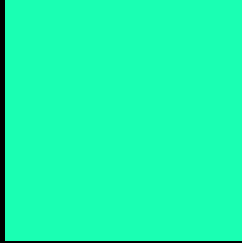
Large Text (above 18pt) WCAG AA × Fail

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 74.9943, 0.2546, 0.4307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

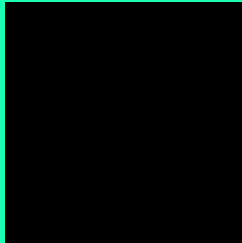
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.9943, 0.2546, 0.4307

Background



This preview shows how black text looks on a background with the Yxy color 74.9943, 0.2546, 0.4307.

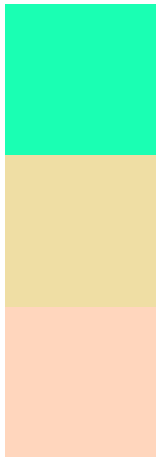


This preview shows how white text looks on a background with the Yxy color 74.9943, 0.2546, 0.4307.

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

74.9943, 0.2546, 0.4307

Protanopia

73.2736, 0.3652, 0.3911

Deuteranopia

73.0273, 0.3618, 0.3548



Tritanopia

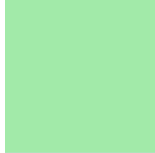
74.1039, 0.2467, 0.3103

Trichromacy



Original Color

74.9943, 0.2546, 0.4307



Protanomaly

69.3916, 0.3045, 0.4104



Deuteranomaly

68.3121, 0.3016, 0.3830



Tritanomaly

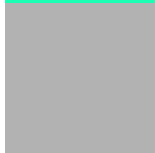
73.3377, 0.2459, 0.3512

Monochromacy



Original Color

74.9943, 0.2546, 0.4307



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

51.5679, 0.2736, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9943, 0.2546, 0.4307 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(26, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(26, 255, 179)  
}
```

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(26, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 255, 179) }
```

Border

The CSS property to change the border of an element to Yxy 74.9943, 0.2546, 0.4307 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(26, 255, 179) }
```

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

```
.border{ border-color:rgb(26, 255, 179) }
```

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

Here you see how a box with a 4 pixel rgb(26, 255, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(26, 255,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9943, 0.2546, 0.4307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 255, 179) }
```

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

```
.background{ background-color: rgb(26, 255,  
179) }
```

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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