

Converting Colors

$Y_{xy}(119.4805, 0.2666, 0.3954)$

Have a look what the booklet for
Yxy(119.4805, 0.2666, 0.3954)
contains.

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Color

Yxy(83.5336, 0.2586, 0.3449)

Conversions

Conversions Part 1

Format	Color
Hex	8DFFF1
RGB	141, 255, 241
RGB Percent	55%, 100%, 95%
CMY	0.4467, 0.0000, 0.0549
CMYK	0.45, 0.00, 0.05, 0.00
HSL	173°, 100%, 78%
HSV	173°, 45%, 100%
XYZ	62.6320, 83.5336, 96.0309
YIQ	219.3180, -63.4500, -28.5220

Conversions

Conversions Part 2

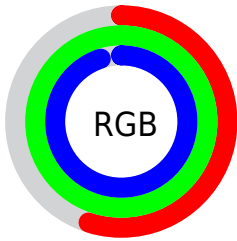
Format	Color
RYB	141, 202, 255
Decimal	9306097
CIELab	93.25, -35.79, -3.44
CIELCh	93, 35.959, 185.492
Yxy	83.5336, 0.2586, 0.3449
Android (android.graphics.Color)	4287496177 (0xFF8DFFF1)
YUV	219.3180, 10.6892, -68.6849
Hunter-Lab	91.3967, -37.6224, 1.6814

Details

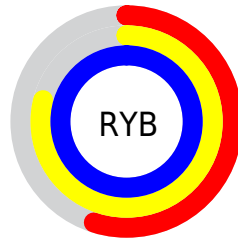
The Yxy color **83.5336, 0.2586, 0.3449** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.7077, 0.4178, 0.3147**, and the grayscale version is **71.0450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **45.6403, 0.2469, 0.3484** is the 20% darker color. If you saturate the color by 10%, you get **81.3653, 0.2502, 0.3491**, and if you desaturate by 10%, it is **86.2263, 0.2687, 0.3409**.

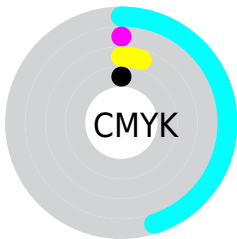
Distribution



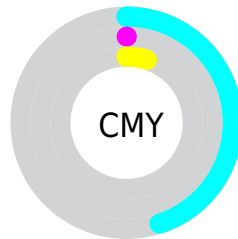
- Red (55%)
- Green (100%)
- Blue (95%)



- Red (55%)
- Yellow (79%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5336, 0.2586, 0.3449 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 83.5336, 0.2586, 0.3449 by changing the saturation by 10% instead.

 83.5336, 0.2586,
0.3449

 83.5336, 0.2586,
0.3449


506.7632, 0.2828,
0.3380

 62.6304, 0.2533,
0.3464


 138.3226, 0.2668,
0.3426

 45.5423, 0.2468,
0.3481


 172.9772, 0.2701,
0.3417

 31.8848, 0.2388,
0.3503


212.9844, 0.2729,
0.3409

 21.2735, 0.2286,
0.3529

258.7285, 0.2753,
0.3402

 13.3241, 0.2153,
0.3563

310.5941, 0.2775,
0.3395

 7.6521, 0.1970,
0.3606


368.9655, 0.2795,


 3.8731, 0.1707,


0.3390


434.2270, 0.2812,
0.3385


0.3664


 1.6029, 0.1224,
0.3771

 0.3595, 0.0000,
0.3626


 83.5336, 0.2586,
0.3449


 83.5336, 0.2586,
0.3449

 81.3653, 0.2502,
0.3491


 86.2263, 0.2687,
0.3409


 79.6758, 0.2437,
0.3534

 89.4659, 0.2802,
0.3371

 78.4280, 0.2391,
0.3577

 93.2856, 0.2928,
0.3336

 77.5749, 0.2365,
0.3620

 97.7128, 0.3062,
0.3304

■ 77.0588, 0.2356,
0.3663

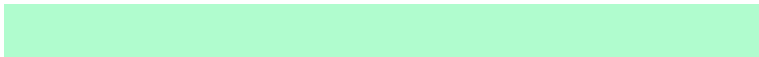
99.9953, 0.3127,
0.3290

■ 76.8775, 0.2357,
0.3686

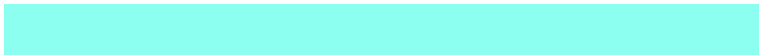
Harmonies

Analogous

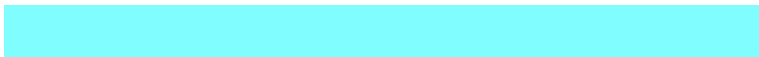
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5336, 0.2927, 0.3823



83.5336, 0.2586, 0.3449



83.5336, 0.2393, 0.3052

Triad

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



83.5336, 0.2586, 0.3449



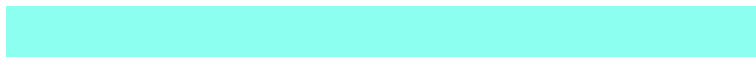
83.5336, 0.2878, 0.2658



83.5336, 0.3927, 0.3762

Complementary

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



83.5336, 0.2586, 0.3449



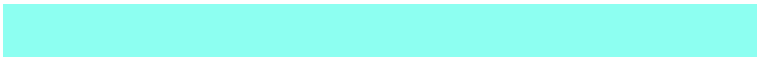
42.7077, 0.4178, 0.3147

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.



83.5336, 0.3922, 0.3443



83.5336, 0.2586, 0.3449



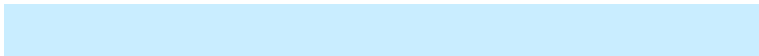
83.5336, 0.3293, 0.2832

Square

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



83.5336, 0.2586, 0.3449



83.5336, 0.2552, 0.2627



83.5336, 0.3684, 0.3111



83.5336, 0.3707, 0.3987

Rectangle

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



83.5336, 0.2586, 0.3449



83.5336, 0.2365, 0.2841



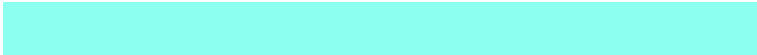
83.5336, 0.3684, 0.3111



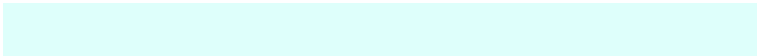
83.5336, 0.3952, 0.3662

Sweetspot

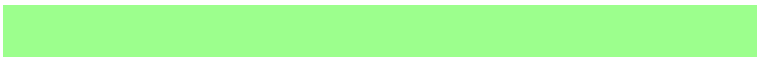
The Sweet Spot groups the original color and five complimentary colors.



83.5369, 0.2586, 0.3449



93.9862, 0.2950, 0.3331



80.5377, 0.3145, 0.4661



19.9207, 0.2921, 0.3338



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

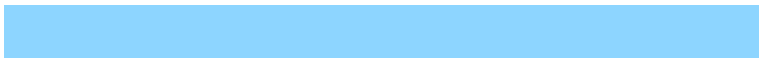
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5369, 0.2586, 0.3449



81.4998, 0.2507, 0.3488



60.5961, 0.2438, 0.2792



20.4407, 0.2996, 0.3319



40.1880, 0.2355, 0.3679



3.9233, 0.2342, 0.3630

Inverse Universe

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



42.7077, 0.4178, 0.3147



35.7803, 0.4536, 0.3124



56.9940, 0.4118, 0.3728



18.0234, 0.3275, 0.3261



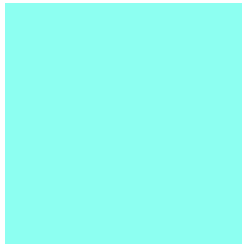
11.1728, 0.6250, 0.3217



1.0988, 0.6007, 0.3083

Previews

White Background



This preview shows how the Yxy color 83.5336, 0.2586, 0.3449 looks on a white background.

Color Contrast Check

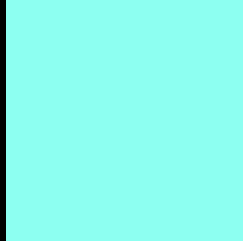
Large Text (above 18pt) WCAG AA × Fail

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 83.5336, 0.2586, 0.3449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

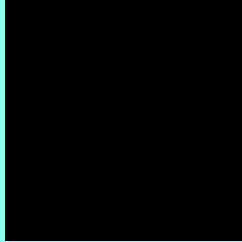
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

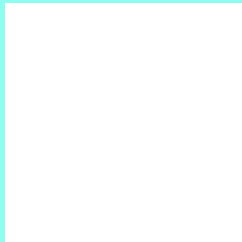
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5336, 0.2586, 0.3449

Background



This preview shows how black text looks on a background with the Yxy color 83.5336, 0.2586, 0.3449.

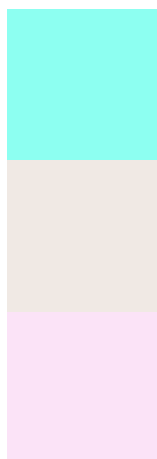


This preview shows how white text looks on a background with the Yxy color 83.5336, 0.2586, 0.3449.

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

83.5336, 0.2586, 0.3449

Protanopia

82.4045, 0.3206, 0.3341

Deuteranopia

82.1628, 0.3164, 0.3093



Tritanopia

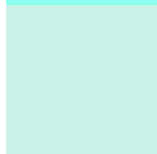
82.7905, 0.2762, 0.3161

Trichromacy



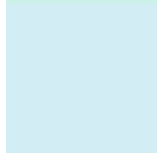
Original Color

83.5336, 0.2586, 0.3449



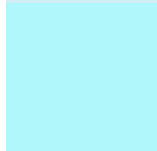
Protanomaly

81.6312, 0.2939, 0.3376



Deuteranomaly

81.0098, 0.2913, 0.3205



Tritanomaly

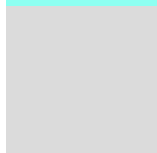
82.5376, 0.2690, 0.3256

Monochromacy



Original Color

83.5336, 0.2586, 0.3449



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.3356, 0.2890, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5336, 0.2586, 0.3449 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(141, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(141, 255, 241)  
}
```

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(141, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 83.5336, 0.2586, 0.3449 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(141, 255, 241) }
```

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

```
.border{ border-color:rgb(141, 255, 241) }
```

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

Here you see how a box with a 4 pixel rgb(141, 255, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(141, 255,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5336, 0.2586, 0.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 255, 241) }
```

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

```
.background{ background-color: rgb(141,  
255, 241) }
```

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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