

Converting Colors

$Y_{xy}(83.4199, 0.2559, 0.3415)$

Have a look what the booklet for
Yxy(83.4199, 0.2559, 0.3415)
contains.

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Color

Yxy(83.4549, 0.2560, 0.3414)

Conversions

Conversions Part 1

Format	Color
Hex	8AFF4
RGB	138, 255, 244
RGB Percent	54%, 100%, 96%
CMY	0.4586, 0.0000, 0.0430
CMYK	0.46, 0.00, 0.04, 0.00
HSL	174°, 100%, 77%
HSV	174°, 46%, 100%
XYZ	62.5790, 83.4549, 98.4152
YIQ	218.7630, -66.2010, -28.2250

Conversions

Conversions Part 2

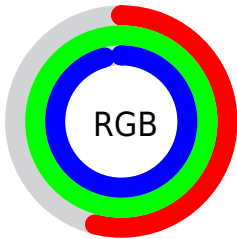
Format	Color
RYB	138, 199, 255
Decimal	9109492
CIELab	93.21, -35.77, -5.07
CIELCh	93, 36.128, 188.075
Yxy	83.4549, 0.2560, 0.3414
Android (android.graphics.Color)	4287299572 (0xFF8AFF4)
YUV	218.7630, 12.4418, -70.8292
Hunter-Lab	91.3537, -37.5931, 0.0745

Details

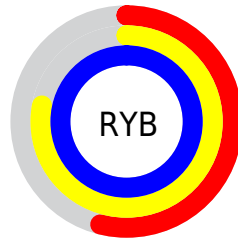
The Yxy color **83.4549, 0.2560, 0.3414** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.6223, 0.4259, 0.3179**, and the grayscale version is **70.6233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **45.5968, 0.2438, 0.3439** is the 20% darker color. If you saturate the color by 10%, you get **81.3871, 0.2476, 0.3446**, and if you desaturate by 10%, it is **86.0417, 0.2661, 0.3384**.

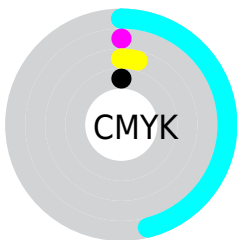
Distribution



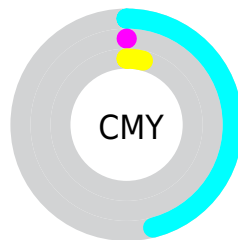
- Red (54%)
- Green (100%)
- Blue (96%)



- Red (54%)
- Yellow (78%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (46%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4549, 0.2560, 0.3414 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 83.4549, 0.2560, 0.3414 by changing the saturation by 10% instead.


 83.4549, 0.2560,
0.3414

 83.4549, 0.2560,
0.3414


506.5013, 0.2813,
0.3362

 62.5655, 0.2505,
0.3425


 138.2124, 0.2646,
0.3397

 45.4898, 0.2437,
0.3437

 172.8493, 0.2680,
0.3390

 31.8434, 0.2354,
0.3452


212.8375, 0.2709,
0.3384

 21.2419, 0.2248,
0.3470

258.5613, 0.2735,
0.3379

 13.3009, 0.2110,
0.3492

310.4052, 0.2758,
0.3374

 7.6361, 0.1922,
0.3518

368.7536, 0.2778,

 3.8630, 0.1652,

0.3369

0.3548

433.9908, 0.2796,
0.3366

■ 1.5972, 0.1166,
0.3602

■ 0.3557, 0.0000,
0.3240

■ 83.4549, 0.2560,
0.3414

■ 83.4549, 0.2560,
0.3414

■ 81.3871, 0.2476,
0.3446

■ 86.0417, 0.2661,
0.3384

■ 79.7922, 0.2411,
0.3478

■ 89.1704, 0.2778,
0.3355

■ 78.6325, 0.2365,
0.3510

■ 92.8744, 0.2906,
0.3328

■ 77.8599, 0.2339,
0.3543

■ 97.1813, 0.3044,
0.3303

■ 77.4151, 0.2330,
0.3575

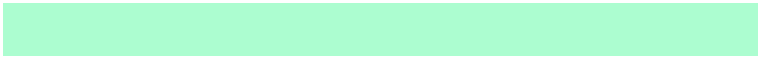
99.9973, 0.3127,
0.3290

■ 77.2907, 0.2330,
0.3588

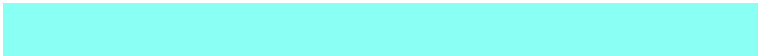
Harmonies

Analogous

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



83.4549, 0.2893, 0.3798



83.4549, 0.2560, 0.3414



83.4549, 0.2381, 0.3020

Triad

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



83.4549, 0.2560, 0.3414



83.4549, 0.2910, 0.2665



83.4549, 0.3920, 0.3789

Complementary

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



83.4549, 0.2560, 0.3414



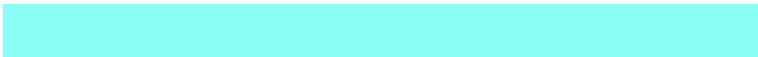
41.6223, 0.4259, 0.3179

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.



83.4549, 0.3936, 0.3473



83.4549, 0.2560, 0.3414



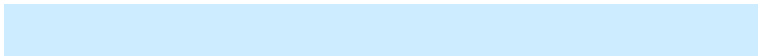
83.4549, 0.3330, 0.2850

Square

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



83.4549, 0.2560, 0.3414



83.4549, 0.2572, 0.2620



83.4549, 0.3715, 0.3138



83.4549, 0.3682, 0.4002

Rectangle

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



83.4549, 0.2560, 0.3414



83.4549, 0.2363, 0.2816



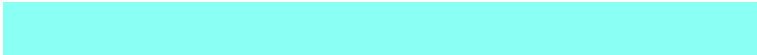
83.4549, 0.3715, 0.3138



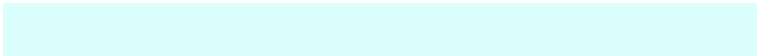
83.4549, 0.3952, 0.3690

Sweetspot

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



83.4582, 0.2560, 0.3414



93.6328, 0.2931, 0.3323



79.8139, 0.3122, 0.4712



19.8543, 0.2902, 0.3329



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

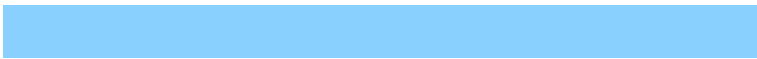
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4582, 0.2560, 0.3414



81.5491, 0.2482, 0.3443



57.8461, 0.2412, 0.2728



20.4503, 0.2993, 0.3312



40.3997, 0.2329, 0.3583



3.9418, 0.2318, 0.3546

Inverse Universe

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



41.6223, 0.4259, 0.3179



35.0207, 0.4628, 0.3163



57.7227, 0.4134, 0.3779



18.0147, 0.3280, 0.3268



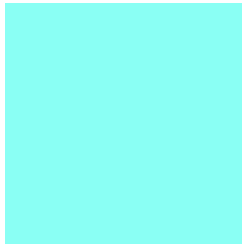
11.1523, 0.6297, 0.3243



1.0947, 0.6095, 0.3131

Previews

White Background



This preview shows how the Yxy color 83.4549, 0.2560, 0.3414 looks on a white background.

Color Contrast Check

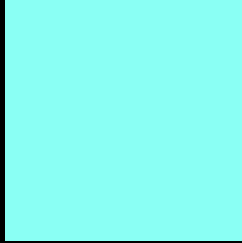
Large Text (above 18pt) WCAG AA × Fail

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 83.4549, 0.2560, 0.3414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

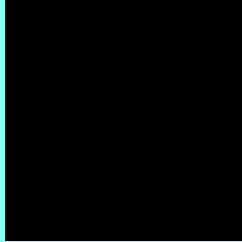
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.4549, 0.2560, 0.3414

Background



This preview shows how black text looks on a background with the Yxy color 83.4549, 0.2560, 0.3414.

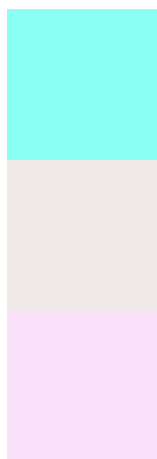


This preview shows how white text looks on a background with the Yxy color 83.4549, 0.2560, 0.3414.

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

83.4549, 0.2560, 0.3414

Protanopia

82.3981, 0.3180, 0.3311

Deuteranopia

82.1643, 0.3138, 0.3064



Tritanopia

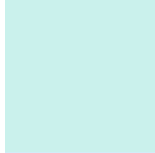
82.6586, 0.2757, 0.3161

Trichromacy



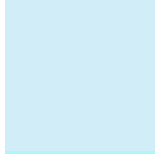
Original Color

83.4549, 0.2560, 0.3414



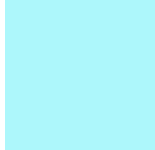
Protanomaly

81.5233, 0.2910, 0.3343



Deuteranomaly

80.9010, 0.2884, 0.3173



Tritanomaly

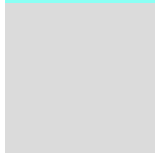
82.3708, 0.2675, 0.3245

Monochromacy



Original Color

83.4549, 0.2560, 0.3414



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.2618, 0.2878, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4549, 0.2560, 0.3414 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(138, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(138, 255, 244)  
}
```

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(138, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 244) }
```

Border

The CSS property to change the border of an element to Yxy 83.4549, 0.2560, 0.3414 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(138, 255, 244) }
```

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

```
.border{ border-color:rgb(138, 255, 244) }
```

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

Here you see how a box with a 4 pixel rgb(138, 255, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4549, 0.2560, 0.3414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 244) }
```

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

```
.background{ background-color: rgb(138,  
255, 244) }
```

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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