

Converting Colors

$Y_{xy}(85.8751, 0.2752, 0.3560)$

Have a look what the booklet for
Yxy(85.8751, 0.2752, 0.3560)
contains.

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Color

Yxy(85.5050, 0.2752, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	A7FFE7
RGB	167, 255, 231
RGB Percent	65%, 100%, 91%
CMY	0.3452, 0.0000, 0.0941
CMYK	0.35, 0.00, 0.09, 0.00
HSL	164°, 100%, 83%
HSV	164°, 35%, 100%
XYZ	66.1168, 85.5050, 88.6283
YIQ	225.9520, -44.7440, -26.1200

Conversions

Conversions Part 2

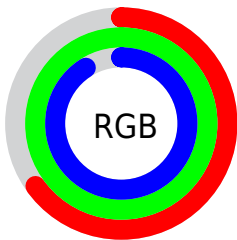
Format	Color
RYB	167, 218, 255
Decimal	11010023
CIELab	94.10, -31.55, 3.09
CIELCh	94, 31.697, 174.406
Yxy	85.5050, 0.2752, 0.3559
Android (android.graphics.Color)	4289200103 (0xFFA7FFE7)
YUV	225.9520, 2.4887, -51.7009
Hunter-Lab	92.4689, -34.1901, 7.9008

Details

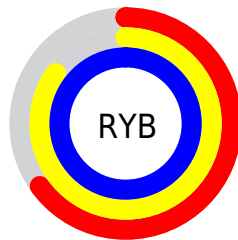
The Yxy color **85.5050, 0.2752, 0.3559** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.6480, 0.3723, 0.3041**, and the grayscale version is **76.0172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **46.8628, 0.2671, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **82.6096, 0.2665, 0.3652**, and if you desaturate by 10%, it is **88.9593, 0.2851, 0.3472**.

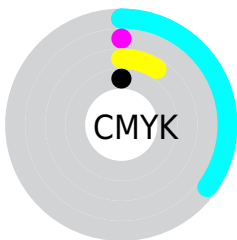
Distribution



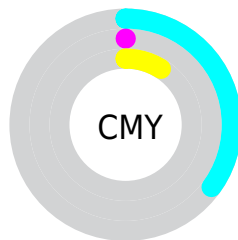
- Red (65%)
- Green (100%)
- Blue (91%)



- Red (65%)
- Yellow (85%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5050, 0.2752, 0.3559 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 85.5050, 0.2752, 0.3559 by changing the saturation by 10% instead.

 85.5050, 0.2752,
0.3559

 85.5050, 0.2752,
0.3559


513.2976, 0.2921,
0.3437

 64.2587, 0.2714,
0.3586

 141.0785, 0.2810,
0.3517

 46.8603, 0.2669,
0.3620


176.1746, 0.2832,
0.3500

 32.9252, 0.2611,
0.3662


216.6560, 0.2852,
0.3486

 22.0692, 0.2538,
0.3717

262.9072, 0.2869,
0.3474

 13.9077, 0.2440,
0.3791

315.3125, 0.2885,
0.3463

 8.0565, 0.2305,
0.3894

374.2565, 0.2898,

 4.1311, 0.2104,

0.3453

0.4051

440.1234, 0.2910,
0.3444

■ 1.7472, 0.1765,
0.4321

■ 0.4539, 0.0000,
0.6200

■ 85.5050, 0.2752,
0.3559

■ 85.5050, 0.2752,
0.3559

■ 82.6096, 0.2665,
0.3652

■ 88.9593, 0.2851,
0.3472

■ 80.2469, 0.2593,
0.3749

■ 93.0086, 0.2960,
0.3393

■ 78.3789, 0.2539,
0.3851

■ 97.6786, 0.3074,
0.3320

■ 76.9650, 0.2504,
0.3954

100.0000, 0.3127,
0.3290

■ 75.9583, 0.2490,
0.4059

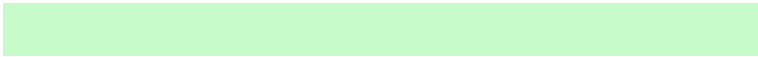
■ 75.3011, 0.2496,
0.4162

■ 75.0444, 0.2505,
0.4218

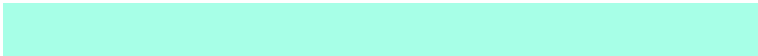
Harmonies

Analogous

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



85.5050, 0.3086, 0.3839



85.5050, 0.2752, 0.3559



85.5050, 0.2526, 0.3208

Triad

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



85.5050, 0.2752, 0.3559



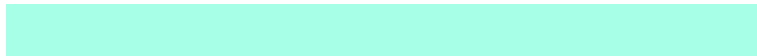
85.5050, 0.2790, 0.2705



85.5050, 0.3849, 0.3612

Complementary

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



85.5050, 0.2752, 0.3559



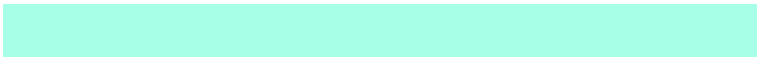
52.6480, 0.3723, 0.3041

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.



85.5050, 0.3765, 0.3319



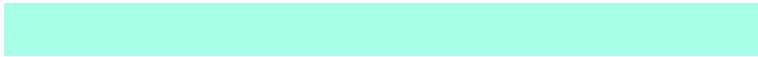
85.5050, 0.2752, 0.3559



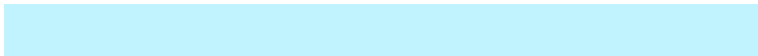
85.5050, 0.3136, 0.2815

Square

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



85.5050, 0.2752, 0.3559



85.5050, 0.2547, 0.2733



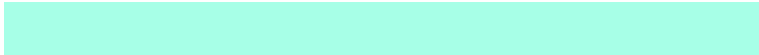
85.5050, 0.3498, 0.3034



85.5050, 0.3727, 0.3846

Rectangle

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



85.5050, 0.2752, 0.3559



85.5050, 0.2459, 0.2996



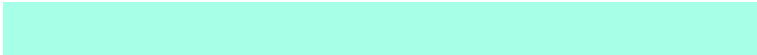
85.5050, 0.3498, 0.3034



85.5050, 0.3845, 0.3517

Sweetspot

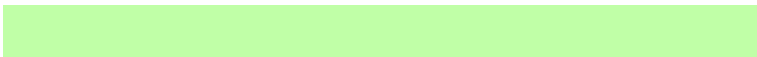
The Sweet Spot groups the original color and five complimentary colors.



85.5029, 0.2752, 0.3559



95.0409, 0.3011, 0.3359



85.5044, 0.3229, 0.4284



20.2045, 0.2995, 0.3369



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

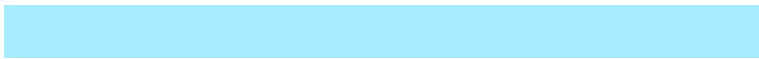
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5029, 0.2752, 0.3559



83.5658, 0.2694, 0.3618



75.3820, 0.2609, 0.3075



20.3920, 0.3016, 0.3356



39.2387, 0.2500, 0.4201



3.8389, 0.2468, 0.4083

Inverse Universe

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



52.6480, 0.3723, 0.3041



46.4689, 0.3888, 0.2994



59.1865, 0.3882, 0.3492



18.0684, 0.3251, 0.3225



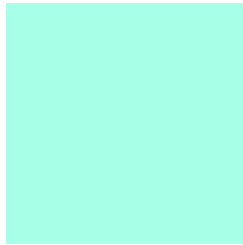
11.3578, 0.5863, 0.3003



1.1233, 0.5544, 0.2828

Previews

White Background



This preview shows how the Yxy color 85.5050, 0.2752, 0.3559 looks on a white background.

Color Contrast Check

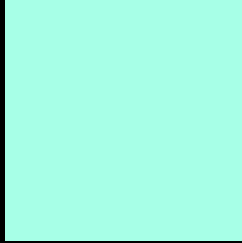
Large Text (above 18pt) WCAG AA × Fail

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 85.5050, 0.2752, 0.3559 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 85.5050, 0.2752, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 85.5050, 0.2752, 0.3559.

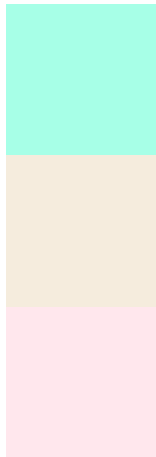


This preview shows how white text looks on a background with the Yxy color 85.5050, 0.2752, 0.3559.

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

85.5050, 0.2752, 0.3559

Protanopia

84.6238, 0.3283, 0.3443

Deuteranopia

84.5263, 0.3253, 0.3231



Tritanopia

85.1868, 0.2837, 0.3174

Trichromacy



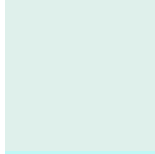
Original Color

85.5050, 0.2752, 0.3559



Protanomaly

84.2891, 0.3067, 0.3481



Deuteranomaly

84.0063, 0.3047, 0.3342



Tritanomaly

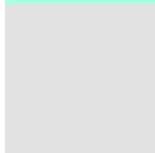
84.9951, 0.2802, 0.3311

Monochromacy



Original Color

85.5050, 0.2752, 0.3559



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.1489, 0.2973, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5050, 0.2752, 0.3559 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(167, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 231)  
}
```

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(167, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 85.5050, 0.2752, 0.3559 is called "border". The border property can be set on classes, ids or directly on the HTML element.

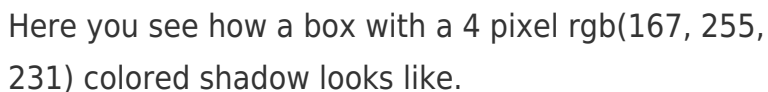
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 255, 231) }
```

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

```
.border{ border-color:rgb(167, 255, 231) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 255, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 255, 231); box-shadow:4px 4px 4px 4px rgb(167, 255, 231) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5050, 0.2752, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 231) }
```

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

```
.background{ background-color: rgb(167,  
255, 231) }
```

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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