

Converting Colors

$Yxy(85.7785, 0.2869, 0.3707)$

Have a look what the booklet for
Yxy(85.7785, 0.2869, 0.3707)
contains.

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Color

Yxy(85.9291, 0.2870, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	B1FFDA
RGB	177, 255, 218
RGB Percent	69%, 100%, 85%
CMY	0.3058, 0.0000, 0.1452
CMYK	0.31, 0.00, 0.15, 0.00
HSL	152°, 100%, 85%
HSV	152°, 31%, 100%
XYZ	66.5452, 85.9291, 79.3905
YIQ	227.4600, -34.6110, -28.0430

Conversions

Conversions Part 2

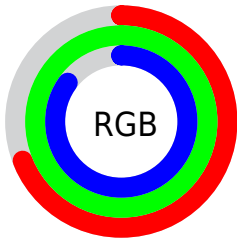
Format	Color
RYB	177, 228, 255
Decimal	11665370
CIELab	94.28, -31.37, 10.13
CIELCh	94, 32.969, 162.106
Yxy	85.9291, 0.2870, 0.3706
Android (android.graphics.Color)	4289855450 (0xFFB1FFDA)
YUV	227.4600, -4.6638, -44.2534
Hunter-Lab	92.6980, -34.0814, 14.1101

Details

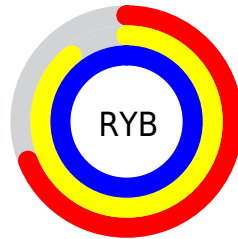
The Yxy color **85.9291, 0.2870, 0.3706** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.5657, 0.3494, 0.2911**, and the grayscale version is **77.2217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **47.1701, 0.2811, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **82.5983, 0.2799, 0.3870**, and if you desaturate by 10%, it is **89.8658, 0.2949, 0.3555**.

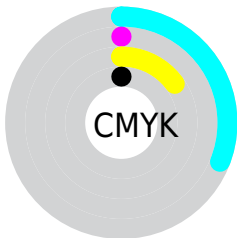
Distribution



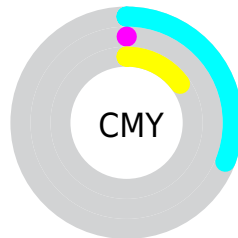
- Red (69%)
- Green (100%)
- Blue (85%)



- Red (69%)
- Yellow (89%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9291, 0.2870, 0.3706 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 85.9291, 0.2870, 0.3706 by changing the saturation by 10% instead.

 85.9291, 0.2870,
0.3706

 85.9291, 0.2870,
0.3706

514.6974, 0.2988,
0.3513

 64.6093, 0.2843,
0.3750

 141.6705, 0.2911,
0.3639

 47.1444, 0.2810,
0.3805

176.8610, 0.2927,
0.3613

 33.1498, 0.2768,
0.3874

217.4439, 0.2941,
0.3591

 22.2412, 0.2714,
0.3964

263.8035, 0.2953,
0.3571

 14.0343, 0.2641,
0.4087

316.3242, 0.2963,
0.3554

 8.1445, 0.2536,
0.4265

375.3906, 0.2972,

 4.1876, 0.2375,

0.3539

0.4543

441.3868, 0.2981,
0.3525

■ 1.7790, 0.2087,
0.5040

■ 0.4740, 0.0000,
1.0000

■ 85.9291, 0.2870,
0.3706

■ 85.9291, 0.2870,
0.3706

■ 82.5983, 0.2799,
0.3870

■ 89.8658, 0.2949,
0.3555

■ 79.8410, 0.2740,
0.4045

■ 94.4379, 0.3034,
0.3419

■ 77.6219, 0.2696,
0.4229

■ 99.6733, 0.3122,
0.3297

■ 75.9017, 0.2670,
0.4418

■ 100.0000, 0.3127,
0.3290

■ 74.6354, 0.2664,
0.4606

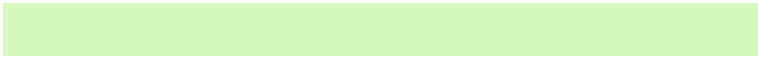
■ 73.7692, 0.2680,
0.4789

■ 73.2396, 0.2709,
0.4953

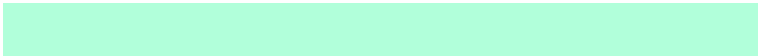
Harmonies

Analogous

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



85.9291, 0.3238, 0.3930



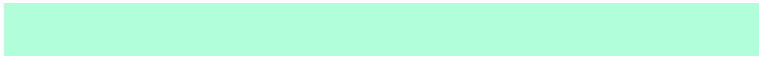
85.9291, 0.2870, 0.3706



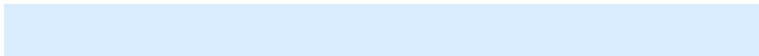
85.9291, 0.2582, 0.3354

Triad

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



85.9291, 0.2870, 0.3706



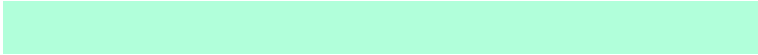
85.9291, 0.2658, 0.2678



85.9291, 0.3868, 0.3501

Complementary

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



85.9291, 0.2870, 0.3706



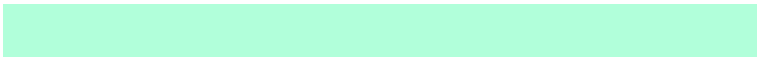
57.5657, 0.3494, 0.2911

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.



85.9291, 0.3695, 0.3193



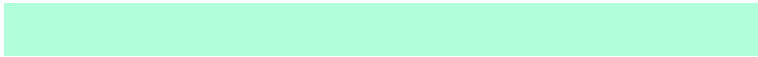
85.9291, 0.2870, 0.3706



85.9291, 0.2981, 0.2736

Square

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



85.9291, 0.2870, 0.3706



85.9291, 0.2466, 0.2768



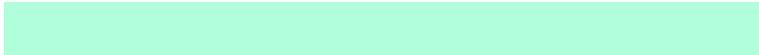
85.9291, 0.3363, 0.2921



85.9291, 0.3826, 0.3779

Rectangle

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



85.9291, 0.2870, 0.3706



85.9291, 0.2468, 0.3114



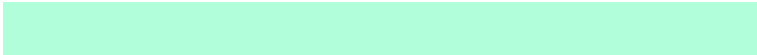
85.9291, 0.3363, 0.2921



85.9291, 0.3833, 0.3398

Sweetspot

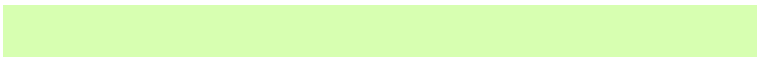
The Sweet Spot groups the original color and five complimentary colors.



85.9292, 0.2870, 0.3706



95.2222, 0.3048, 0.3399



89.0974, 0.3320, 0.4130



20.2271, 0.3035, 0.3417



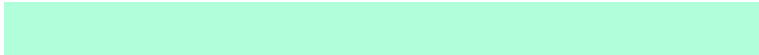
0.0000, 0.0000, 0.0000



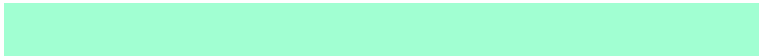
21.4041, 0.3127, 0.3290

Same Dimension

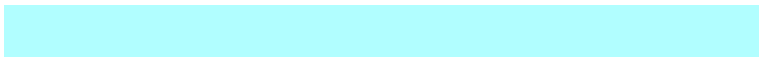
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9292, 0.2870, 0.3706



83.7243, 0.2823, 0.3810



87.2619, 0.2684, 0.3275



20.3276, 0.3044, 0.3405



38.2997, 0.2701, 0.4925



3.7512, 0.2646, 0.4724

Inverse Universe

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



57.5657, 0.3494, 0.2911



51.0567, 0.3601, 0.2828



56.3996, 0.3819, 0.3306



18.1307, 0.3219, 0.3178



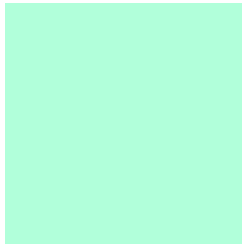
11.8606, 0.5072, 0.2568



1.1767, 0.4804, 0.2420

Previews

White Background



This preview shows how the Yxy color 85.9291, 0.2870, 0.3706 looks on a white background.

Color Contrast Check

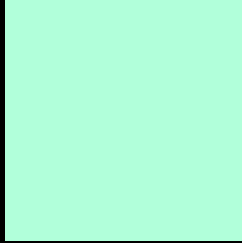
Large Text (above 18pt) WCAG AA × Fail

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 85.9291, 0.2870, 0.3706 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 85.9291, 0.2870, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 85.9291, 0.2870, 0.3706.

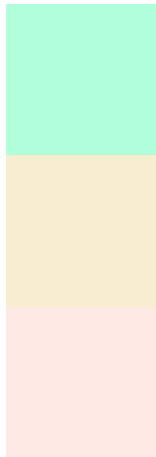


This preview shows how white text looks on a background with the Yxy color 85.9291, 0.2870, 0.3706.

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

85.9291, 0.2870, 0.3706

Protanopia

85.3116, 0.3388, 0.3574

Deuteranopia

85.1950, 0.3304, 0.3330



Tritanopia

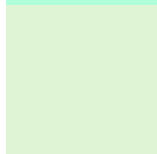
85.1701, 0.2860, 0.3165

Trichromacy



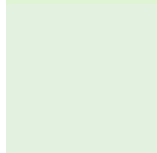
Original Color

85.9291, 0.2870, 0.3706



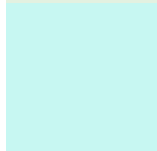
Protanomaly

85.1428, 0.3183, 0.3629



Deuteranomaly

84.6777, 0.3132, 0.3457



Tritanomaly

85.0744, 0.2862, 0.3343

Monochromacy



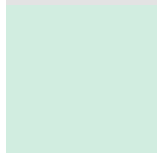
Original Color

85.9291, 0.2870, 0.3706



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.5055, 0.3022, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9291, 0.2870, 0.3706 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(177, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 218)  
}
```

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(177, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 85.9291, 0.2870, 0.3706 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(177, 255, 218) }
```

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

```
.border{ border-color:rgb(177, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9291, 0.2870, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 218) }
```

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

```
.background{ background-color: rgb(177,  
255, 218) }
```

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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