

Converting Colors

$Yxy(85.5221, 0.2893, 0.3772)$

Have a look what the booklet for
Yxy(85.5221, 0.2893, 0.3772)
contains.

Yxy(85.5036, 0.2895, 0.3777)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.5036, 0.2895, 0.3777)

Conversions

Conversions Part 1

Format	Color
Hex	B0FFD4
RGB	176, 255, 212
RGB Percent	69%, 100%, 83%
CMY	0.3101, 0.0000, 0.1686
CMYK	0.31, 0.00, 0.17, 0.00
HSL	147°, 100%, 84%
HSV	147°, 31%, 100%
XYZ	65.5369, 85.5036, 75.3392
YIQ	226.4770, -33.2810, -30.1210

Conversions

Conversions Part 2

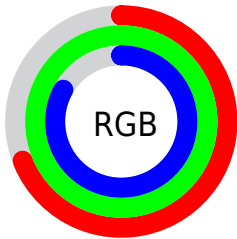
Format	Color
RYB	176, 230, 255
Decimal	11599828
CIELab	94.10, -32.84, 12.93
CIELCh	94, 35.296, 158.508
Yxy	85.5036, 0.2895, 0.3777
Android (android.graphics.Color)	4289789908 (0xFFB0FFD4)
YUV	226.4770, -7.1372, -44.2683
Hunter-Lab	92.4682, -35.3072, 16.4207

Details

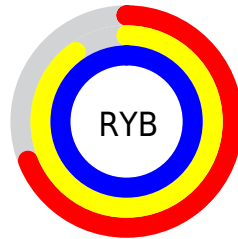
The Yxy color **85.5036, 0.2895, 0.3777** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.3951, 0.3454, 0.2851**, and the grayscale version is **76.4718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **46.8874, 0.2842, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **82.1288, 0.2832, 0.3967**, and if you desaturate by 10%, it is **89.4816, 0.2966, 0.3602**.

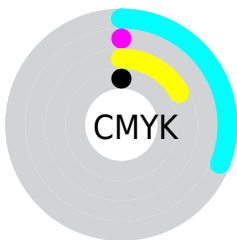
Distribution



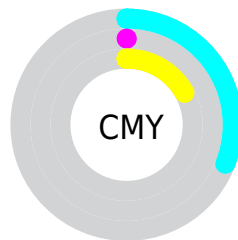
- Red (69%)
- Green (100%)
- Blue (83%)



- Red (69%)
- Yellow (90%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5036, 0.2895, 0.3777 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 85.5036, 0.2895, 0.3777 by changing the saturation by 10% instead.


 85.5036, 0.2895,
0.3777

 85.5036, 0.2895,
0.3777

513.2930, 0.3003,
0.3550

 64.2576, 0.2870,
0.3829


 141.0766, 0.2933,
0.3698

 46.8593, 0.2839,
0.3894

176.1723, 0.2947,
0.3667

 32.9245, 0.2800,
0.3976


216.6534, 0.2960,
0.3641

 22.0686, 0.2749,
0.4084

262.9042, 0.2971,
0.3618

 13.9073, 0.2678,
0.4232

315.3092, 0.2980,
0.3598

 8.0562, 0.2577,
0.4447


374.2527, 0.2989,


 4.1309, 0.2417,


0.3580


0.4784

440.1192, 0.2996,
0.3564


 1.7471, 0.2115,
0.5418


 0.4539, 0.0000,
1.0000


 85.5036, 0.2895,
0.3777


 85.5036, 0.2895,
0.3777


 82.1288, 0.2832,
0.3967


 89.4816, 0.2966,
0.3602

 79.3471, 0.2780,
0.4170

 94.1157, 0.3042,
0.3444

 77.1148, 0.2742,
0.4383

 99.4268, 0.3119,
0.3303

 75.3918, 0.2723,
0.4600

100.0000, 0.3127,
0.3290

■ 74.1323, 0.2723,
0.4813

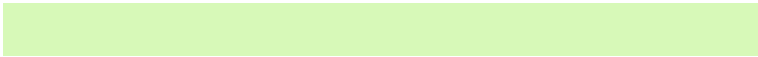
■ 73.2812, 0.2742,
0.5017

■ 72.7888, 0.2774,
0.5186

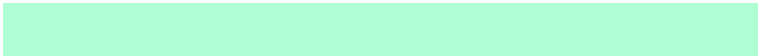
Harmonies

Analogous

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



85.5036, 0.3293, 0.3994



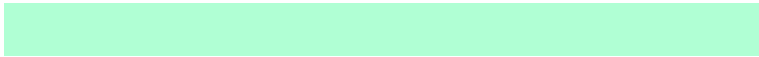
85.5036, 0.2895, 0.3777



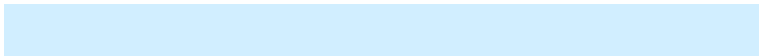
85.5036, 0.2573, 0.3405

Triad

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



85.5036, 0.2895, 0.3777



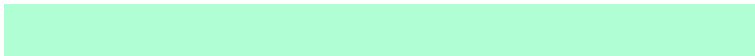
85.5036, 0.2592, 0.2639



85.5036, 0.3912, 0.3473

Complementary

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



85.5036, 0.2895, 0.3777



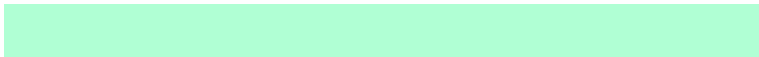
57.3951, 0.3454, 0.2851

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.



85.5036, 0.3701, 0.3147



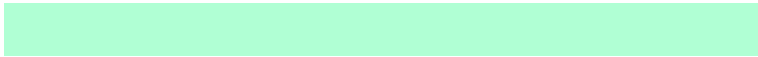
85.5036, 0.2895, 0.3777



85.5036, 0.2922, 0.2684

Square

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



85.5036, 0.2895, 0.3777



85.5036, 0.2409, 0.2753



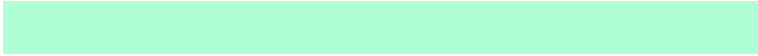
85.5036, 0.3330, 0.2866



85.5036, 0.3894, 0.3779

Rectangle

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



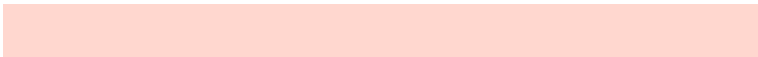
85.5036, 0.2895, 0.3777



85.5036, 0.2439, 0.3143



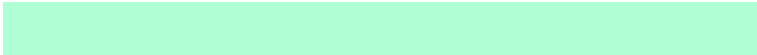
85.5036, 0.3330, 0.2866



85.5036, 0.3865, 0.3363

Sweetspot

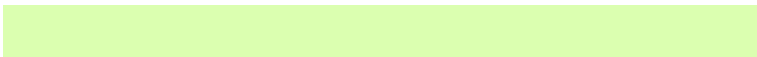
The Sweet Spot groups the original color and five complimentary colors.



85.4960, 0.2895, 0.3777



95.1263, 0.3057, 0.3415



89.7772, 0.3357, 0.4133



20.2035, 0.3046, 0.3436



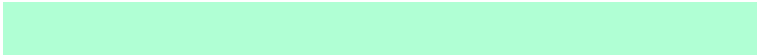
0.0000, 0.0000, 0.0000



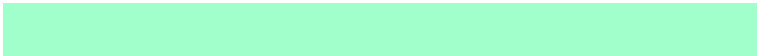
21.4041, 0.3127, 0.3290

Same Dimension

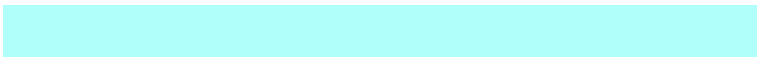
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4960, 0.2895, 0.3777



83.4057, 0.2856, 0.3889



87.7103, 0.2699, 0.3332



20.3060, 0.3053, 0.3422



38.0630, 0.2766, 0.5156



3.7278, 0.2705, 0.4938

Inverse Universe

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



57.3951, 0.3454, 0.2851



51.3788, 0.3540, 0.2764



55.5751, 0.3800, 0.3250



18.1523, 0.3209, 0.3161



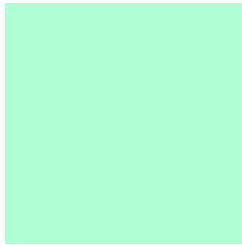
12.1082, 0.4779, 0.2406



1.2010, 0.4550, 0.2280

Previews

White Background



This preview shows how the Yxy color 85.5036, 0.2895, 0.3777 looks on a white background.

Color Contrast Check

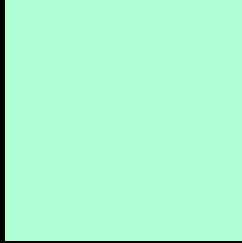
Large Text (above 18pt) WCAG AA × Fail

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 85.5036, 0.2895, 0.3777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

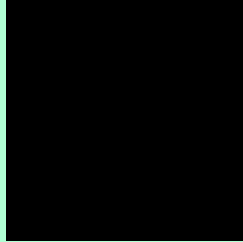
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

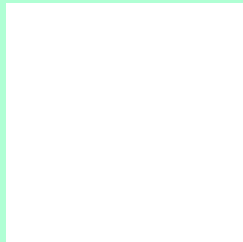
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5036, 0.2895, 0.3777

Background



This preview shows how black text looks on a background with the Yxy color 85.5036, 0.2895, 0.3777.

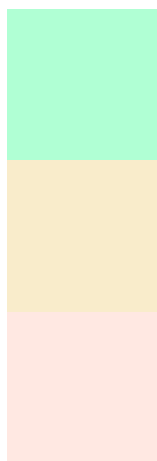


This preview shows how white text looks on a background with the Yxy color 85.5036, 0.2895, 0.3777.

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

85.5036, 0.2895, 0.3777

Protanopia

84.4424, 0.3429, 0.3626

Deuteranopia

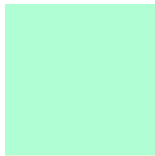
84.4642, 0.3325, 0.3350



Tritanopia

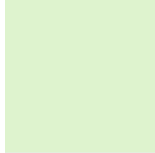
85.0228, 0.2854, 0.3164

Trichromacy



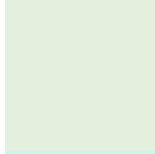
Original Color

85.5036, 0.2895, 0.3777



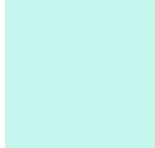
Protanomaly

84.0870, 0.3213, 0.3685



Deuteranomaly

83.7094, 0.3151, 0.3490



Tritanomaly

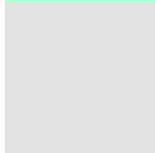
84.7593, 0.2872, 0.3375

Monochromacy



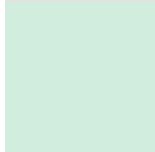
Original Color

85.5036, 0.2895, 0.3777



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.1987, 0.3034, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5036, 0.2895, 0.3777 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(176, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 212)  
}
```

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(176, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 85.5036, 0.2895, 0.3777 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(176, 255, 212) }
```

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

```
.border{ border-color:rgb(176, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5036, 0.2895, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 212) }
```

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

```
.background{ background-color: rgb(176,  
255, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor