

Converting Colors

$Y_{xy}(85.4840, 0.2920, 0.3816)$

Have a look what the booklet for
Yxy(85.4840, 0.2920, 0.3816)
contains.

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Color

Yxy(85.4706, 0.2916, 0.3812)

Conversions

Conversions Part 1

Format	Color
Hex	B1FFD1
RGB	177, 255, 209
RGB Percent	69%, 100%, 82%
CMY	0.3063, 0.0000, 0.1804
CMYK	0.31, 0.00, 0.18, 0.00
HSL	145°, 100%, 85%
HSV	145°, 31%, 100%
XYZ	65.3810, 85.4706, 73.3630
YIQ	226.4340, -31.7220, -30.8420

Conversions

Conversions Part 2

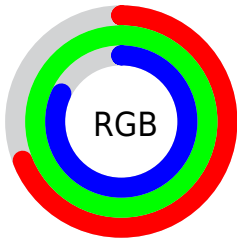
Format	Color
RYB	177, 232, 255
Decimal	11665361
CIELab	94.09, -33.13, 14.47
CIELCh	94, 36.153, 156.411
Yxy	85.4706, 0.2916, 0.3812
Android (android.graphics.Color)	4289855441 (0xFFB1FFD1)
YUV	226.4340, -8.5950, -43.3536
Hunter-Lab	92.4503, -35.5526, 17.6662

Details

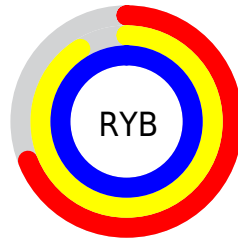
The Yxy color **85.4706, 0.2916, 0.3812** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.9869, 0.3419, 0.2822**, and the grayscale version is **76.4393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **46.8923, 0.2862, 0.3931** is the 20% darker color. If you saturate the color by 10%, you get **82.0308, 0.2857, 0.4018**, and if you desaturate by 10%, it is **89.5145, 0.2982, 0.3622**.

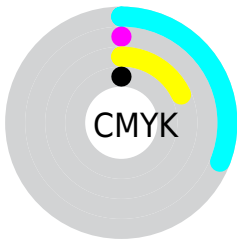
Distribution



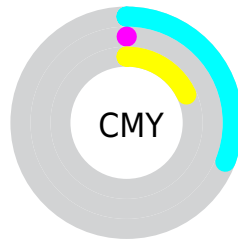
- Red (69%)
- Green (100%)
- Blue (82%)



- Red (69%)
- Yellow (91%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.4706, 0.2916, 0.3812 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 85.4706, 0.2916, 0.3812 by changing the saturation by 10% instead.

 85.4706, 0.2916,
0.3812

 85.4706, 0.2916,
0.3812


513.1840, 0.3015,
0.3568

 64.2303, 0.2893,
0.3868


 141.0305, 0.2951,
0.3727

 46.8372, 0.2864,
0.3938


176.1189, 0.2964,
0.3694

 32.9070, 0.2828,
0.4027


216.5920, 0.2976,
0.3666

 22.0552, 0.2779,
0.4143

262.8344, 0.2986,
0.3641

 13.8975, 0.2713,
0.4303

315.2304, 0.2995,
0.3619

 8.0494, 0.2615,
0.4536


374.1644, 0.3002,


 4.1266, 0.2460,


0.3600


0.4902

440.0208, 0.3009,
0.3583


 1.7446, 0.2169,
0.5620


 0.4523, 0.0000,
1.0000


 85.4706, 0.2916,
0.3812


 85.4706, 0.2916,
0.3812


 82.0308, 0.2857,
0.4018


 89.5145, 0.2982,
0.3622


 79.2001, 0.2809,
0.4239

 94.2312, 0.3051,
0.3451

 76.9294, 0.2775,
0.4470

 99.6368, 0.3123,
0.3299

 75.1783, 0.2757,
0.4704

 100.0000, 0.3127,
0.3290

■ 73.9005, 0.2759,
0.4932

■ 73.0412, 0.2780,
0.5147

■ 72.5352, 0.2814,
0.5329

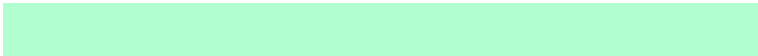
Harmonies

Analogous

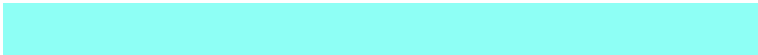
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4706, 0.3325, 0.4019



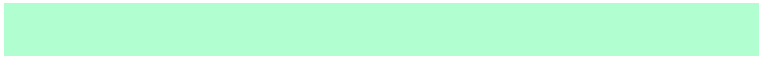
85.4706, 0.2916, 0.3812



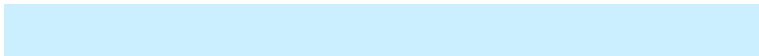
85.4706, 0.2579, 0.3436

Triad

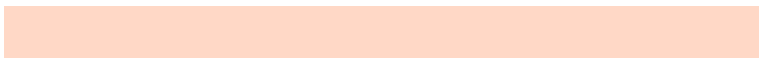
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4706, 0.2916, 0.3812



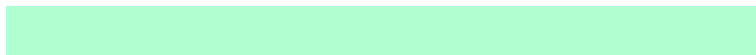
85.4706, 0.2561, 0.2627



85.4706, 0.3924, 0.3453

Complementary

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



85.4706, 0.2916, 0.3812



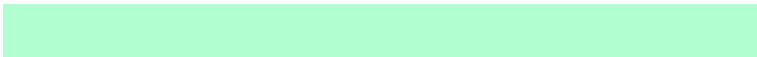
57.9869, 0.3419, 0.2822

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.



85.4706, 0.3693, 0.3121



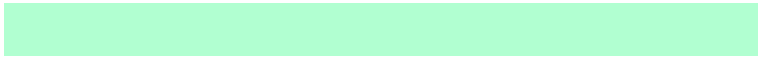
85.4706, 0.2916, 0.3812



85.4706, 0.2890, 0.2663

Square

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



85.4706, 0.2916, 0.3812



85.4706, 0.2386, 0.2754



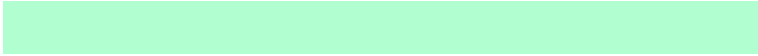
85.4706, 0.3305, 0.2840



85.4706, 0.3921, 0.3770

Rectangle

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



85.4706, 0.2916, 0.3812



85.4706, 0.2434, 0.3166



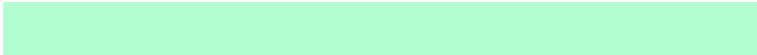
85.4706, 0.3305, 0.2840



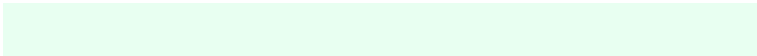
85.4706, 0.3870, 0.3341

Sweetspot

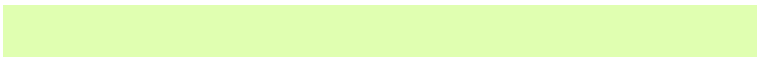
The Sweet Spot groups the original color and five complimentary colors.



85.4579, 0.2916, 0.3812



95.0637, 0.3063, 0.3425



90.4991, 0.3381, 0.4115



20.1881, 0.3053, 0.3449



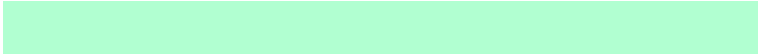
0.0000, 0.0000, 0.0000



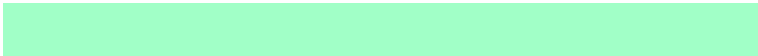
21.4041, 0.3127, 0.3290

Same Dimension

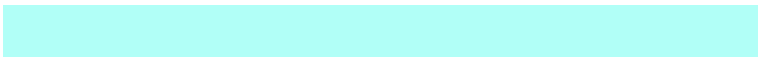
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4579, 0.2916, 0.3812



83.2035, 0.2878, 0.3942



87.5823, 0.2723, 0.3374



20.2919, 0.3059, 0.3433



37.9291, 0.2805, 0.5298



3.7141, 0.2742, 0.5073

Inverse Universe

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



57.9869, 0.3419, 0.2822



51.5977, 0.3501, 0.2722



56.1545, 0.3754, 0.3210



18.1667, 0.3201, 0.3151



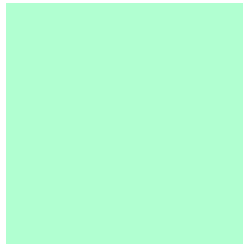
12.2937, 0.4589, 0.2302



1.2187, 0.4388, 0.2191

Previews

White Background



This preview shows how the Yxy color 85.4706, 0.2916, 0.3812 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 85.4706, 0.2916, 0.3812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

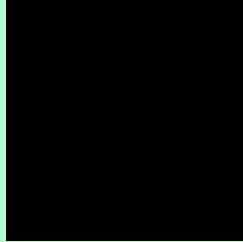
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.4706, 0.2916, 0.3812

Background



This preview shows how black text looks on a background with the Yxy color 85.4706, 0.2916, 0.3812.

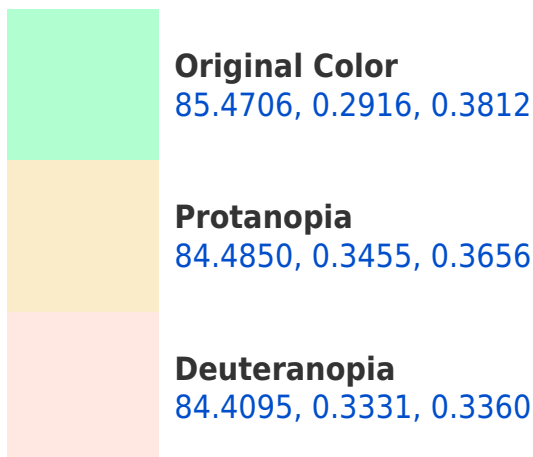


This preview shows how white text looks on a background with the Yxy color 85.4706, 0.2916, 0.3812.

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





Tritanopia

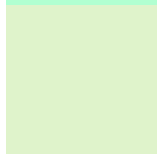
85.0228, 0.2854, 0.3164

Trichromacy



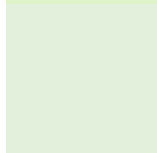
Original Color

85.4706, 0.2916, 0.3812



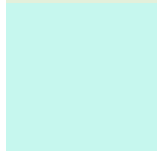
Protanomaly

84.1010, 0.3238, 0.3717



Deuteranomaly

83.7655, 0.3170, 0.3511



Tritanomaly

84.7003, 0.2878, 0.3386

Monochromacy



Original Color

85.4706, 0.2916, 0.3812



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.1456, 0.3040, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4706, 0.2916, 0.3812 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 209) }
```

Border

The CSS property to change the border of an element to Yxy 85.4706, 0.2916, 0.3812 is called "border". The border property can be set on classes, ids or directly on the HTML element.

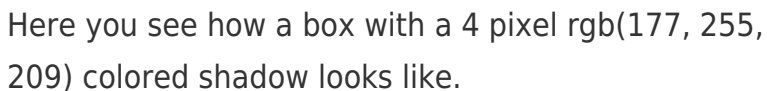
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 255, 209) }
```

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

```
.border{ border-color:rgb(177, 255, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4706, 0.2916, 0.3812 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, 209) }
```

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

```
.background{ background-color: rgb(177,  
255, 209) }
```

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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