

Converting Colors

$Yxy(85.7384, 0.2906, 0.3775)$

Have a look what the booklet for
Yxy(85.7384, 0.2906, 0.3775)
contains.

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Color

Yxy(85.7384, 0.2906, 0.3775)

Conversions

Conversions Part 1

Format	Color
Hex	B2FFD4
RGB	178, 255, 212
RGB Percent	70%, 100%, 83%
CMY	0.3021, 0.0000, 0.1685
CMYK	0.30, 0.00, 0.17, 0.00
HSL	147°, 100%, 85%
HSV	147°, 30%, 100%
XYZ	66.0015, 85.7384, 75.3817
YIQ	227.0750, -32.0890, -29.6970

Conversions

Conversions Part 2

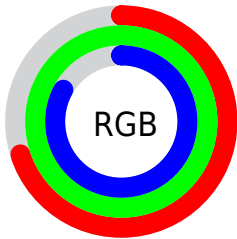
Format	Color
RYB	178, 231, 255
Decimal	11730900
CIELab	94.20, -32.23, 13.07
CIElCh	94, 34.784, 157.926
Yxy	85.7384, 0.2906, 0.3775
Android (android.graphics.Color)	4289920980 (0xFFB2FFD4)
YUV	227.0750, -7.4320, -43.0388
Hunter-Lab	92.5950, -34.8069, 16.5485

Details

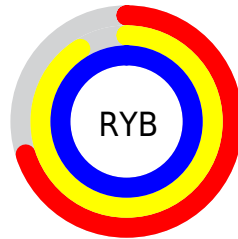
The Yxy color **85.7384, 0.2906, 0.3775** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.3047, 0.3434, 0.2852**, and the grayscale version is **76.9410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **47.0334, 0.2855, 0.3899** is the 20% darker color. If you saturate the color by 10%, you get **82.3094, 0.2844, 0.3969**, and if you desaturate by 10%, it is **89.7876, 0.2976, 0.3597**.

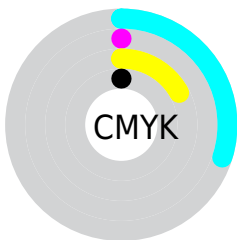
Distribution



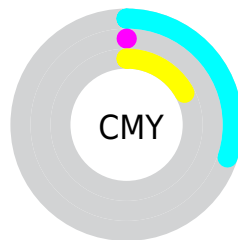
- Red (70%)
- Green (100%)
- Blue (83%)



- Red (70%)
- Yellow (91%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.7384, 0.2906, 0.3775 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 85.7384, 0.2906, 0.3775 by changing the saturation by 10% instead.


 85.7384, 0.2906,
0.3775

 85.7384, 0.2906,
0.3775


514.0682, 0.3009,
0.3549

 64.4517, 0.2882,
0.3827


 141.4044, 0.2942,
0.3696

 47.0166, 0.2853,
0.3891

176.5524, 0.2956,
0.3666

 33.0488, 0.2815,
0.3973


217.0897, 0.2968,
0.3640

 22.1638, 0.2766,
0.4080


263.4006, 0.2978,
0.3617

 13.9773, 0.2699,
0.4227

315.8695, 0.2987,
0.3597

 8.1049, 0.2601,
0.4440


374.8808, 0.2996,


 4.1621, 0.2448,

0.3579


440.8189, 0.3003,
0.3563


0.4775


 1.7647, 0.2163,
0.5397

 0.4650, 0.0000,
1.0000


 85.7384, 0.2906,
0.3775


 85.7384, 0.2906,
0.3775


 82.3094, 0.2844,
0.3969


 89.7876, 0.2976,
0.3597


 79.4733, 0.2792,
0.4177

 94.4926, 0.3050,
0.3436

 77.1924, 0.2754,
0.4395

 99.8801, 0.3126,
0.3293

 75.4268, 0.2734,
0.4617

 100.0000, 0.3127,
0.3290

■ 74.1310, 0.2733,
0.4836

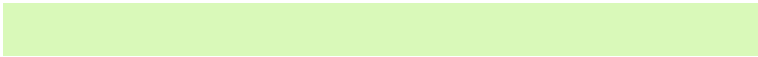
■ 73.2510, 0.2752,
0.5044

■ 72.7074, 0.2786,
0.5231

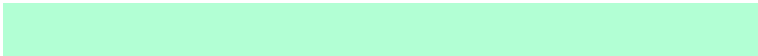
Harmonies

Analogous

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



85.7384, 0.3298, 0.3984



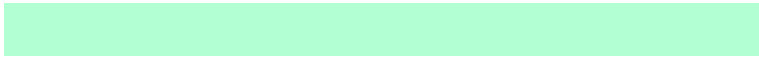
85.7384, 0.2906, 0.3775



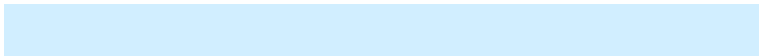
85.7384, 0.2587, 0.3411

Triad

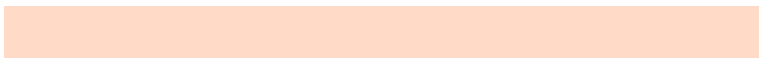
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7384, 0.2906, 0.3775



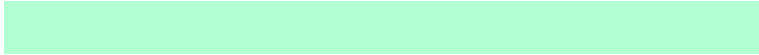
85.7384, 0.2595, 0.2649



85.7384, 0.3898, 0.3465

Complementary

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



85.7384, 0.2906, 0.3775



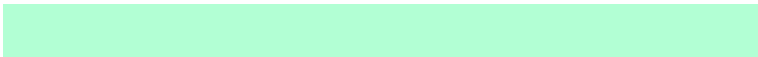
58.3047, 0.3434, 0.2852

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.



85.7384, 0.3686, 0.3144



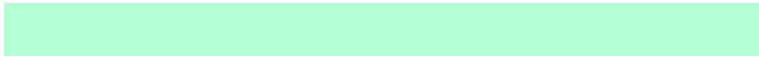
85.7384, 0.2906, 0.3775



85.7384, 0.2918, 0.2691

Square

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



85.7384, 0.2906, 0.3775



85.7384, 0.2417, 0.2765



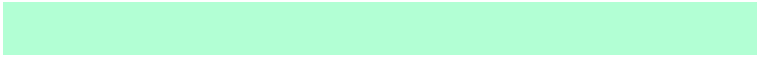
85.7384, 0.3319, 0.2868



85.7384, 0.3884, 0.3767

Rectangle

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



85.7384, 0.2906, 0.3775



85.7384, 0.2452, 0.3153



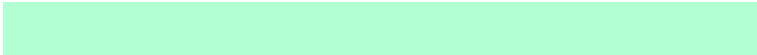
85.7384, 0.3319, 0.2868



85.7384, 0.3850, 0.3357

Sweetspot

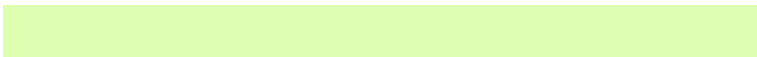
The Sweet Spot groups the original color and five complimentary colors.



85.7366, 0.2906, 0.3775



95.1070, 0.3059, 0.3418



90.2026, 0.3360, 0.4107



20.1988, 0.3048, 0.3440



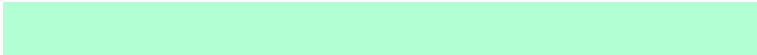
0.0000, 0.0000, 0.0000



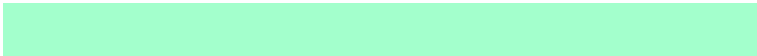
21.4041, 0.3127, 0.3290

Same Dimension

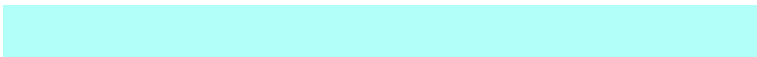
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7366, 0.2906, 0.3775



83.6778, 0.2869, 0.3886



87.8748, 0.2715, 0.3344



20.3017, 0.3055, 0.3426



38.0201, 0.2778, 0.5201



3.7234, 0.2717, 0.4980

Inverse Universe

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



58.3047, 0.3434, 0.2852



52.4009, 0.3513, 0.2766



56.5112, 0.3765, 0.3238



18.1567, 0.3206, 0.3158



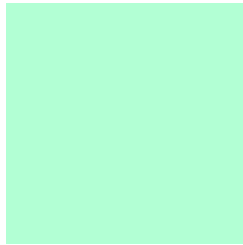
12.1633, 0.4720, 0.2374



1.2063, 0.4500, 0.2252

Previews

White Background



This preview shows how the Yxy color 85.7384, 0.2906, 0.3775 looks on a white background.

Color Contrast Check

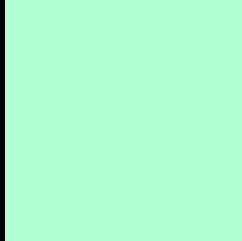
Large Text (above 18pt) WCAG AA × Fail

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 85.7384, 0.2906, 0.3775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

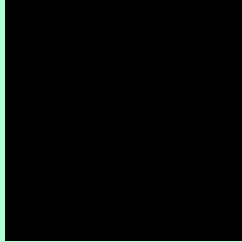
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

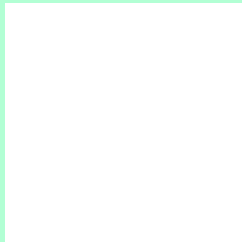
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.7384, 0.2906, 0.3775

Background



This preview shows how black text looks on a background with the Yxy color 85.7384, 0.2906, 0.3775.

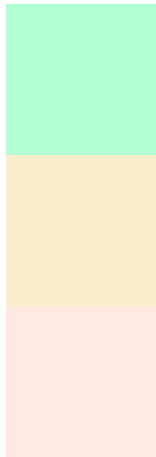


This preview shows how white text looks on a background with the Yxy color 85.7384, 0.2906, 0.3775.

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

85.7384, 0.2906, 0.3775

Protanopia

85.0199, 0.3427, 0.3636

Deuteranopia

85.0288, 0.3323, 0.3360



Tritanopia

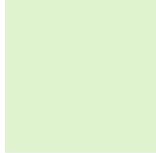
85.1701, 0.2860, 0.3165

Trichromacy



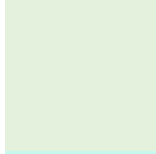
Original Color

85.7384, 0.2906, 0.3775



Protanomaly

84.8456, 0.3219, 0.3695



Deuteranomaly

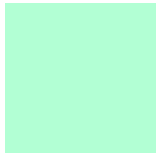
84.4619, 0.3157, 0.3500



Tritanomaly

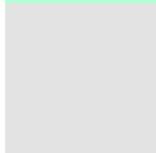
84.8956, 0.2878, 0.3375

Monochromacy



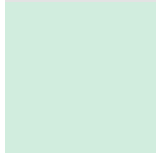
Original Color

85.7384, 0.2906, 0.3775



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.3976, 0.3034, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7384, 0.2906, 0.3775 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(178, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 85.7384, 0.2906, 0.3775 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(178, 255, 212) }
```

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

```
.border{ border-color:rgb(178, 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(178, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7384, 0.2906, 0.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 212) }
```

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

```
.background{ background-color: rgb(178,  
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](#).

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