

Converting Colors

Yxy(87.8564, 0.2846, 0.3718)

Have a look what the booklet for
Yxy(87.8564, 0.2846, 0.3718)
contains.

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Color

Yxy(85.6860, 0.2843, 0.3684)

Conversions

Conversions Part 1

Format	Color
Hex	AEFFDC
RGB	174, 255, 220
RGB Percent	68%, 100%, 86%
CMY	0.3179, 0.0000, 0.1372
CMYK	0.32, 0.00, 0.14, 0.00
HSL	154°, 100%, 84%
HSV	154°, 32%, 100%
XYZ	66.1252, 85.6860, 80.7784
YIQ	226.7910, -37.0410, -28.0570

Conversions

Conversions Part 2

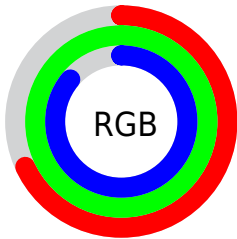
Format	Color
RYB	174, 226, 255
Decimal	11468764
CIELab	94.18, -31.86, 8.91
CIELCh	94, 33.083, 164.380
Yxy	85.6860, 0.2843, 0.3684
Android (android.graphics.Color)	4289658844 (0xFFAEFFDC)
YUV	226.7910, -3.3480, -46.2977
Hunter-Lab	92.5667, -34.4800, 13.0573

Details

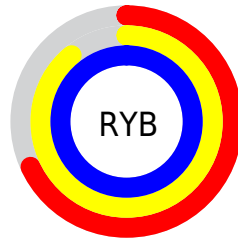
The Yxy color **85.6860, 0.2843, 0.3684** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.1070, 0.3544, 0.2930**, and the grayscale version is **76.6879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **47.0267, 0.2779, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **82.4612, 0.2769, 0.3833**, and if you desaturate by 10%, it is **89.4929, 0.2927, 0.3546**.

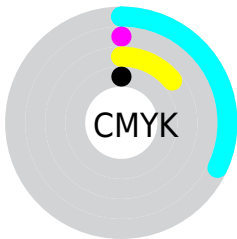
Distribution



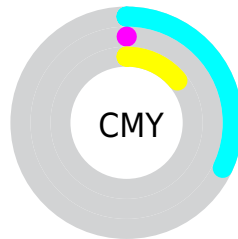
- Red (68%)
- Green (100%)
- Blue (86%)



- Red (68%)
- Yellow (89%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (32%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6860, 0.2843, 0.3684 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 85.6860, 0.2843, 0.3684 by changing the saturation by 10% instead.


 85.6860, 0.2843,
0.3684

 85.6860, 0.2843,
0.3684


513.8953, 0.2973,
0.3502

 64.4084, 0.2814,
0.3726

 141.3312, 0.2888,
0.3621

 46.9815, 0.2778,
0.3777


176.4676, 0.2905,
0.3596

 33.0210, 0.2732,
0.3842


216.9923, 0.2920,
0.3575

 22.1426, 0.2673,
0.3927

263.2898, 0.2934,
0.3557

 13.9617, 0.2594,
0.4043

315.7445, 0.2945,
0.3540

 8.0940, 0.2481,
0.4210


374.7407, 0.2956,


 4.1552, 0.2309,

0.3526

0.4470

440.6628, 0.2965,
0.3513


 1.7607, 0.2002,
0.4937

 0.4625, 0.0000,
1.0000


 85.6860, 0.2843,
0.3684


 85.6860, 0.2843,
0.3684


 82.4612, 0.2769,
0.3833


 89.4929, 0.2927,
0.3546

 79.8043, 0.2707,
0.3992

 93.9299, 0.3017,
0.3421

 77.6739, 0.2661,
0.4159

 99.0187, 0.3110,
0.3309

 76.0303, 0.2635,
0.4329

100.0000, 0.3127,
0.3290

■ 74.8280, 0.2628,
0.4500

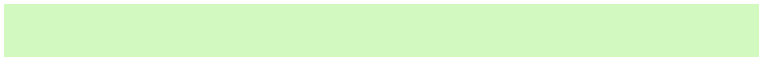
■ 74.0120, 0.2643,
0.4668

■ 73.5635, 0.2667,
0.4800

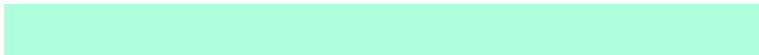
Harmonies

Analogous

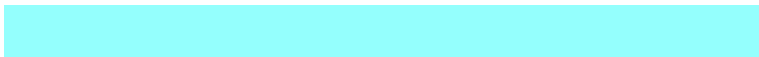
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6860, 0.3210, 0.3923



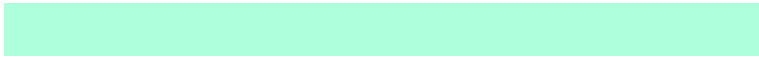
85.6860, 0.2843, 0.3684



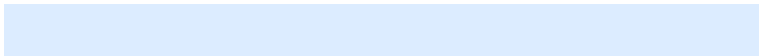
85.6860, 0.2563, 0.3326

Triad

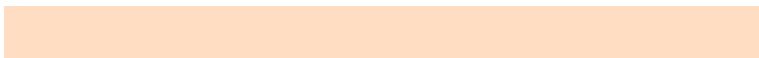
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6860, 0.2843, 0.3684



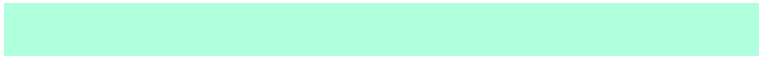
85.6860, 0.2676, 0.2675



85.6860, 0.3876, 0.3525

Complementary

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



85.6860, 0.2843, 0.3684



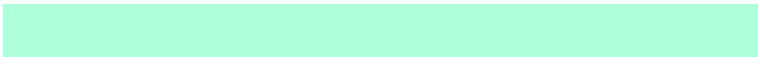
56.1070, 0.3544, 0.2930

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.



85.6860, 0.3718, 0.3216



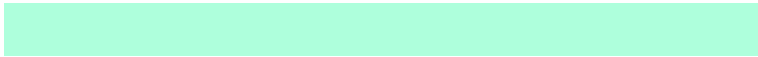
85.6860, 0.2843, 0.3684



85.6860, 0.3008, 0.2744

Square

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



85.6860, 0.2843, 0.3684



85.6860, 0.2473, 0.2754



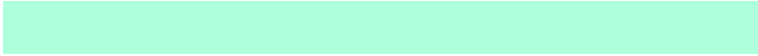
85.6860, 0.3393, 0.2938



85.6860, 0.3817, 0.3798

Rectangle

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



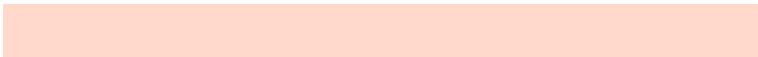
85.6860, 0.2843, 0.3684



85.6860, 0.2457, 0.3088



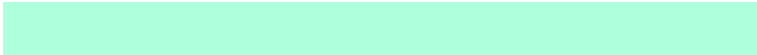
85.6860, 0.3393, 0.2938



85.6860, 0.3847, 0.3422

Sweetspot

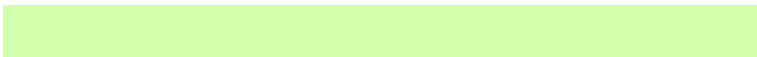
The Sweet Spot groups the original color and five complimentary colors.



85.6799, 0.2843, 0.3684



94.7919, 0.3033, 0.3400



88.1382, 0.3301, 0.4173



20.1441, 0.3020, 0.3417



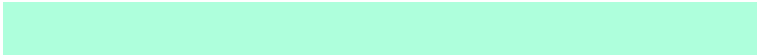
0.0000, 0.0000, 0.0000



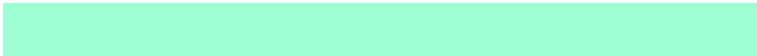
21.4041, 0.3127, 0.3290

Same Dimension

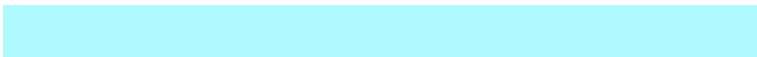
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6799, 0.2843, 0.3684



83.6130, 0.2795, 0.3775



84.3317, 0.2664, 0.3230



20.3412, 0.3038, 0.3394



38.4690, 0.2659, 0.4774



3.7675, 0.2608, 0.4588

Inverse Universe

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



56.1070, 0.3544, 0.2930



49.9138, 0.3658, 0.2858



56.6907, 0.3844, 0.3349



18.1172, 0.3226, 0.3188



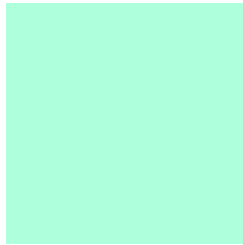
11.7260, 0.5254, 0.2668



1.1631, 0.4965, 0.2509

Previews

White Background



This preview shows how the Yxy color 85.6860, 0.2843, 0.3684 looks on a white background.

Color Contrast Check

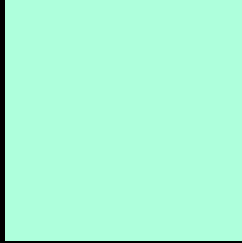
Large Text (above 18pt) WCAG AA × Fail

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 85.6860, 0.2843, 0.3684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

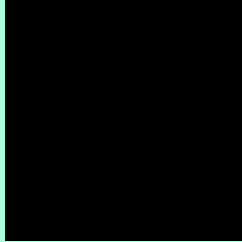
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.6860, 0.2843, 0.3684

Background



This preview shows how black text looks on a background with the Yxy color 85.6860, 0.2843, 0.3684.

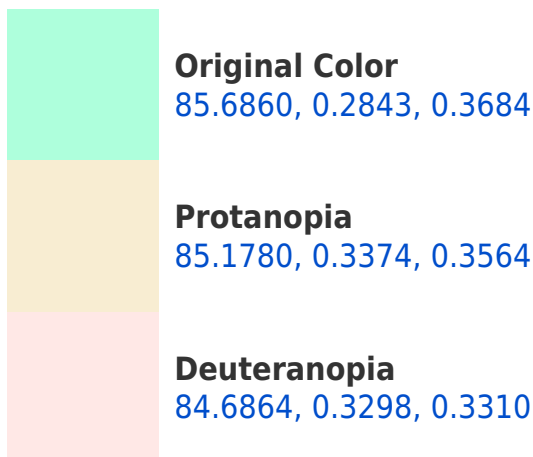


This preview shows how white text looks on a background with the Yxy color 85.6860, 0.2843, 0.3684.

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

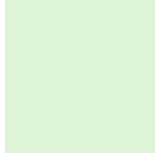
85.0228, 0.2854, 0.3164

Trichromacy



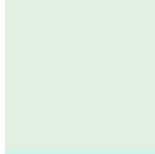
Original Color

85.6860, 0.2843, 0.3684



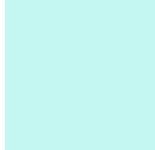
Protanomaly

84.9286, 0.3158, 0.3609



Deuteranomaly

83.9799, 0.3120, 0.3437



Tritanomaly

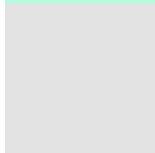
84.8027, 0.2851, 0.3343

Monochromacy



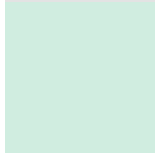
Original Color

85.6860, 0.2843, 0.3684



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.3601, 0.3016, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6860, 0.2843, 0.3684 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(174, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 220)  
}
```

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(174, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 220) }
```

Border

The CSS property to change the border of an element to Yxy 85.6860, 0.2843, 0.3684 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(174, 255, 220) }
```

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

```
.border{ border-color:rgb(174, 255, 220) }
```

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

Here you see how a box with a 4 pixel rgb(174, 255, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6860, 0.2843, 0.3684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 220) }
```

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

```
.background{ background-color: rgb(174,  
255, 220) }
```

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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