

Converting Colors

$Yxy(85.2763, 0.2856, 0.3689)$

Have a look what the booklet for
Yxy(85.2763, 0.2856, 0.3689)
contains.

Yxy(85.1121, 0.2853, 0.3685)	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(85.1121, 0.2853, 0.3685)

Conversions

Conversions Part 1

Format	Color
Hex	AFFEDB
RGB	175, 254, 219
RGB Percent	69%, 100%, 86%
CMY	0.3140, 0.0039, 0.1412
CMYK	0.31, 0.00, 0.14, 0.00
HSL	153°, 98%, 84%
HSV	153°, 31%, 100%
XYZ	65.8955, 85.1121, 79.9615
YIQ	226.3890, -35.8490, -27.6330

Conversions

Conversions Part 2

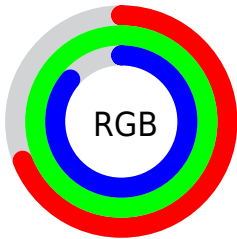
Format	Color
RYB	175, 226, 254
Decimal	11534043
CIELab	93.93, -31.31, 9.10
CIELCh	94, 32.607, 163.803
Yxy	85.1121, 0.2853, 0.3685
Android (android.graphics.Color)	4289724123 (0xFFAFFEDB)
YUV	226.3890, -3.6428, -45.0682
Hunter-Lab	92.2562, -33.9519, 13.1908

Details

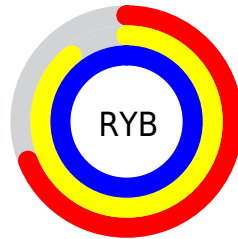
The Yxy color **85.1121, 0.2853, 0.3685** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.3635, 0.3524, 0.2929**, and the grayscale version is **76.3885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **46.6059, 0.2790, 0.3779** is the 20% darker color. If you saturate the color by 10%, you get **81.8760, 0.2779, 0.3838**, and if you desaturate by 10%, it is **88.9480, 0.2936, 0.3544**.

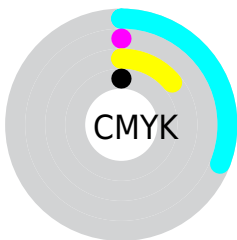
Distribution



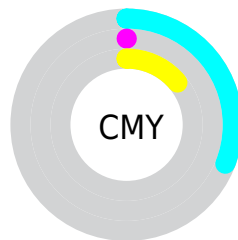
- Red (69%)
- Green (100%)
- Blue (86%)



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



- Cyan (31%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1121, 0.2853, 0.3685 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 85.1121, 0.2853, 0.3685 by changing the saturation by 10% instead.

 85.1121, 0.2853,
0.3685

 85.1121, 0.2853,
0.3685

511.9989, 0.2979,
0.3502

 63.9340, 0.2825,
0.3727


 140.5298, 0.2896,
0.3621

 46.5972, 0.2790,
0.3779

175.5382, 0.2913,
0.3597

 32.7174, 0.2745,
0.3844

215.9254, 0.2928,
0.3576

 21.9100, 0.2688,
0.3930

262.0760, 0.2941,
0.3557

 13.7908, 0.2611,
0.4047

314.3742, 0.2952,
0.3541

 7.9753, 0.2500,
0.4216


373.2045, 0.2962,


 4.0791, 0.2331,


0.3526


0.4480

438.9513, 0.2971,
0.3514


 1.7179, 0.2025,
0.4958


 0.4352, 0.0000,
1.0000


 85.1121, 0.2853,
0.3685


 85.1121, 0.2853,
0.3685


 81.8760, 0.2779,
0.3838


 88.9480, 0.2936,
0.3544

 79.1974, 0.2718,
0.4001


 93.4026, 0.3025,
0.3417


 77.0447, 0.2672,
0.4172

 98.5069, 0.3117,
0.3302

 75.3791, 0.2645,
0.4347

 99.3746, 0.3128,
0.3281

 74.1556, 0.2638,
0.4523

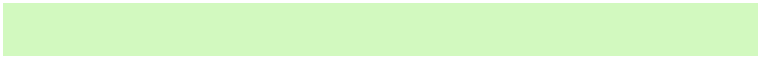
 73.3207, 0.2652,
0.4695

 72.8320, 0.2678,
0.4841

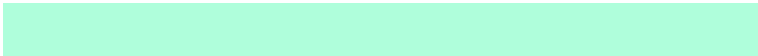
Harmonies

Analogous

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



85.1121, 0.3216, 0.3918



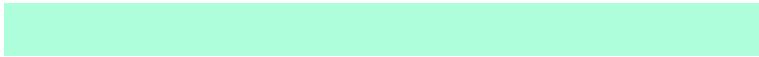
85.1121, 0.2853, 0.3685



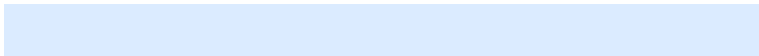
85.1121, 0.2574, 0.3332

Triad

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



85.1121, 0.2853, 0.3685



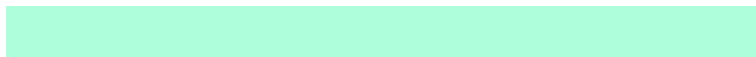
85.1121, 0.2677, 0.2682



85.1121, 0.3866, 0.3517

Complementary

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



85.1121, 0.2853, 0.3685



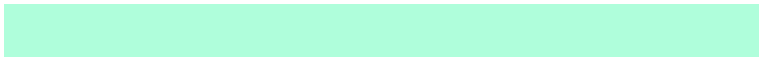
56.3635, 0.3524, 0.2929

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.



85.1121, 0.3706, 0.3211



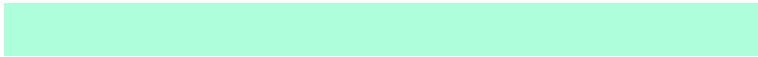
85.1121, 0.2853, 0.3685



85.1121, 0.3003, 0.2747

Square

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



85.1121, 0.2853, 0.3685



85.1121, 0.2478, 0.2763



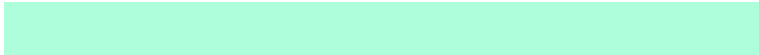
85.1121, 0.3382, 0.2937



85.1121, 0.3812, 0.3788

Rectangle

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



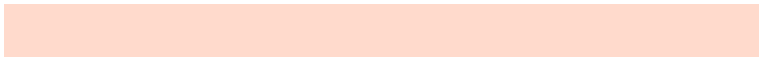
85.1121, 0.2853, 0.3685



85.1121, 0.2467, 0.3097



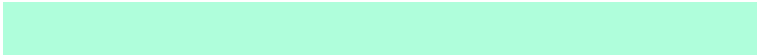
85.1121, 0.3382, 0.2937



85.1121, 0.3835, 0.3415

Sweetspot

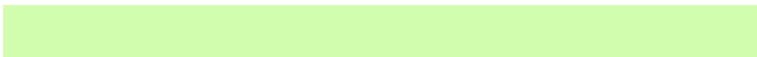
The Sweet Spot groups the original color and five complimentary colors.



85.1156, 0.2853, 0.3685



95.2665, 0.3044, 0.3391



87.7665, 0.3306, 0.4151



20.2380, 0.3031, 0.3409



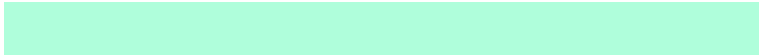
0.0000, 0.0000, 0.0000



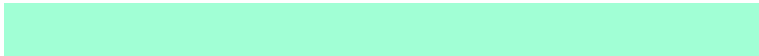
21.4041, 0.3127, 0.3290

Same Dimension

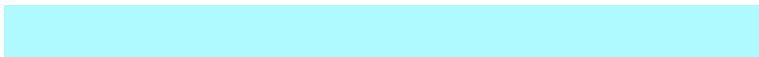
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1156, 0.2853, 0.3685



83.8750, 0.2808, 0.3773



84.6749, 0.2674, 0.3246



20.3376, 0.3039, 0.3397



38.4222, 0.2671, 0.4814



3.7630, 0.2618, 0.4624

Inverse Universe

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



56.3635, 0.3524, 0.2929



50.9132, 0.3629, 0.2858



56.3656, 0.3827, 0.3334



18.1208, 0.3224, 0.3185



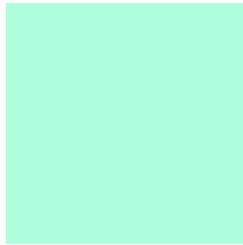
11.7604, 0.5206, 0.2641



1.1666, 0.4922, 0.2485

Previews

White Background



This preview shows how the Yxy color 85.1121, 0.2853, 0.3685 looks on a white background.

Color Contrast Check

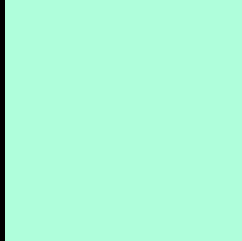
Large Text (above 18pt) WCAG AA × Fail

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 85.1121, 0.2853, 0.3685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

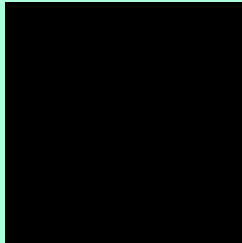
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

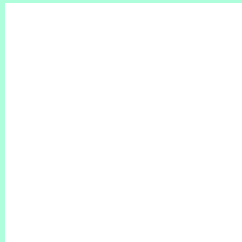
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.1121, 0.2853, 0.3685

Background



This preview shows how black text looks on a background with the Yxy color 85.1121, 0.2853, 0.3685.

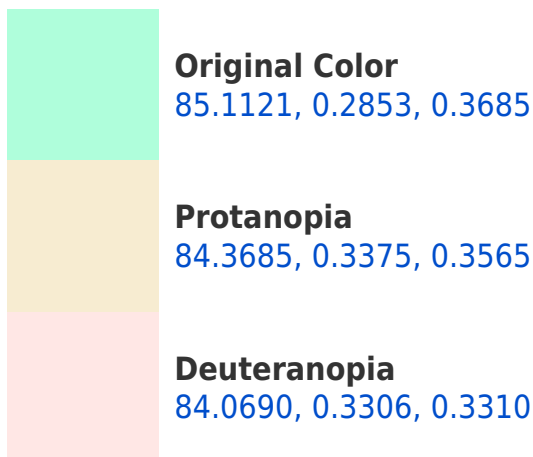


This preview shows how white text looks on a background with the Yxy color 85.1121, 0.2853, 0.3685.

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

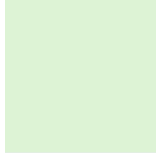
84.7311, 0.2842, 0.3164

Trichromacy



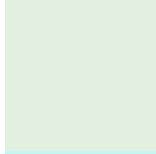
Original Color

85.1121, 0.2853, 0.3685



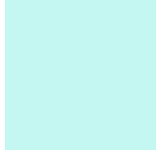
Protanomaly

84.2774, 0.3164, 0.3610



Deuteranomaly

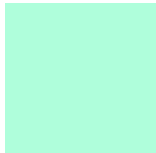
83.3380, 0.3127, 0.3437



Tritanomaly

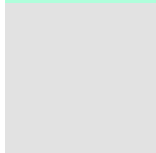
84.6681, 0.2845, 0.3343

Monochromacy



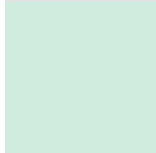
Original Color

85.1121, 0.2853, 0.3685



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.5840, 0.3016, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1121, 0.2853, 0.3685 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(175, 254, 219)` looks like.

```
.text, #text, p{  
    color:rgb(175, 254, 219)  
}
```

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(175, 254, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 254, 219) }
```

Border

The CSS property to change the border of an element to Yxy 85.1121, 0.2853, 0.3685 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(175, 254, 219) }
```

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

```
.border{ border-color:rgb(175, 254, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 254, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 254, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 254, 219);  
box-shadow:4px 4px 4px 4px rgb(175, 254,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1121, 0.2853, 0.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 254, 219) }
```

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

```
.background{ background-color: rgb(175,  
254, 219) }
```

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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