

Converting Colors

$Yxy(86.1519, 0.2920, 0.3672)$

Have a look what the booklet for
Yxy(86.1519, 0.2920, 0.3672)
contains.

| | |
|--|----|
| Yxy(85.9298, 0.2919, 0.3667) | 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(85.9298, 0.2919, 0.3667)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | BBFDDB |
| RGB | 187, 253, 219 |
| RGB Percent | 73%, 99%, 86% |
| CMY | 0.2667, 0.0078, 0.1412 |
| CMYK | 0.26, 0.00, 0.13, 0.01 |
| HSL | 149°, 94%, 86% |
| HSV | 149°, 26%, 99% |
| XYZ | 68.4017, 85.9298, 80.0012 |
| YIQ | 229.3900, -28.4220, -24.5660 |

Conversions

Conversions Part 2

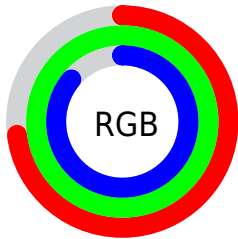
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 187, 231, 253 |
| Decimal | 12320219 |
| CIE _{Lab} | 94.28, -27.28, 9.67 |
| CIE _{LCh} | 94, 28.948, 160.484 |
| Y _{xy} | 85.9298, 0.2919, 0.3667 |
| Android (android.graphics.Color) | 4290510299 (0xFFBBFDDDB) |
| Y _{UV} | 229.3900, -5.1223, -37.1760 |
| Hunter-Lab | 92.6983, -30.5077, 13.7199 |

Details

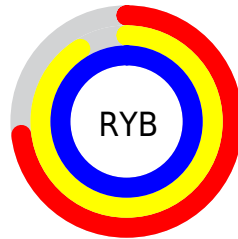
The Yxy color **85.9298, 0.2919, 0.3667** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.6370, 0.3405, 0.2942**, and the grayscale version is **78.7105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **47.0657, 0.2869, 0.3755** is the 20% darker color. If you saturate the color by 10%, you get **82.3592, 0.2848, 0.3839**, and if you desaturate by 10%, it is **90.1234, 0.2996, 0.3510**.

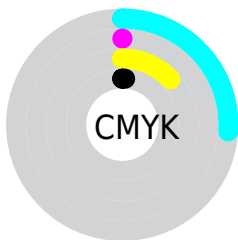
Distribution



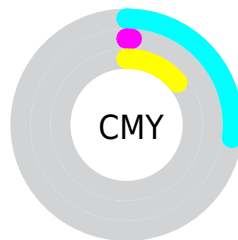
- Red (73%)
- Green (99%)
- Blue (86%)



- Red (73%)
- Yellow (91%)
- Blue (99%)



- Cyan (26%)
- Magenta (0%)
- Yellow (13%)
- Black (1%)





- Cyan (27%)
- Magenta (1%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.9298, 0.2919, 0.3667 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 85.9298, 0.2919, 0.3667 by changing the saturation by 10% instead.

 85.9298, 0.2919,
0.3667

 85.9298, 0.2919,
0.3667


514.6997, 0.3015,
0.3493

 64.6099, 0.2897,
0.3707


 141.6715, 0.2952,
0.3607

 47.1449, 0.2870,
0.3756


176.8622, 0.2965,
0.3583

 33.1502, 0.2836,
0.3818

217.4452, 0.2976,
0.3563

 22.2415, 0.2792,
0.3899

263.8050, 0.2986,
0.3545

 14.0345, 0.2732,
0.4010

316.3259, 0.2994,
0.3530

 8.1446, 0.2647,
0.4169


375.3924, 0.3002,


 4.1876, 0.2514,


0.3516


0.4418


441.3889, 0.3009,
0.3504

 1.7791, 0.2284,
0.4856


 0.4741, 0.0000,
1.0000


 85.9298, 0.2919,
0.3667


 85.9298, 0.2919,
0.3667


 82.3592, 0.2848,
0.3839


 90.1234, 0.2996,
0.3510

 79.3701, 0.2787,
0.4025

 94.9578, 0.3077,
0.3369

 76.9326, 0.2740,
0.4222

 98.7361, 0.3128,
0.3271

 75.0098, 0.2709,
0.4426

■ 73.5600, 0.2697,
0.4631

■ 72.5344, 0.2705,
0.4831

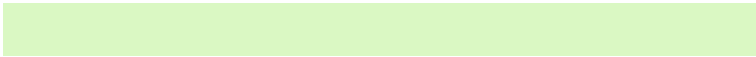
■ 71.8730, 0.2733,
0.5020

■ 71.6789, 0.2747,
0.5091

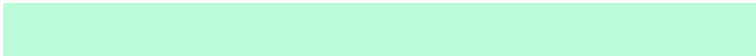
Harmonies

Analogous

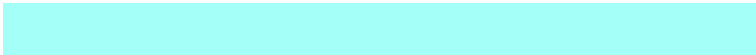
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9298, 0.3245, 0.3854



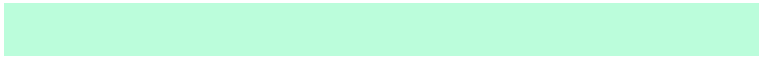
85.9298, 0.2919, 0.3667



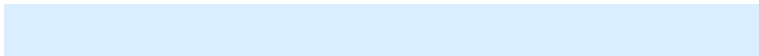
85.9298, 0.2658, 0.3365

Triad

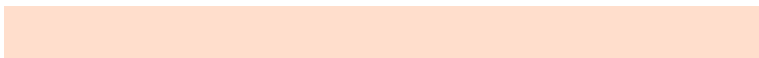
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.9298, 0.2919, 0.3667



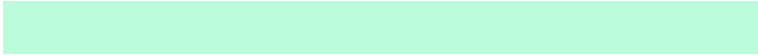
85.9298, 0.2701, 0.2749



85.9298, 0.3773, 0.3466

Complementary

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



85.9298, 0.2919, 0.3667



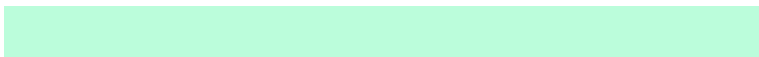
61.6370, 0.3405, 0.2942

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.



85.9298, 0.3613, 0.3192



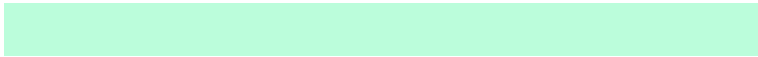
85.9298, 0.2919, 0.3667



85.9298, 0.2982, 0.2793

Square

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



85.9298, 0.2919, 0.3667



85.9298, 0.2538, 0.2840



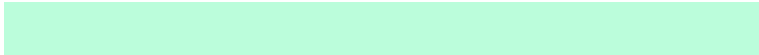
85.9298, 0.3317, 0.2952



85.9298, 0.3748, 0.3712

Rectangle

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



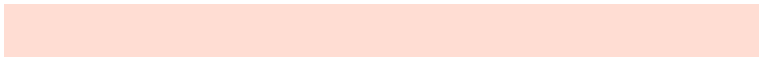
85.9298, 0.2919, 0.3667



85.9298, 0.2551, 0.3155



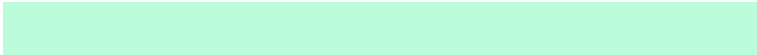
85.9298, 0.3317, 0.2952



85.9298, 0.3739, 0.3374

Sweetspot

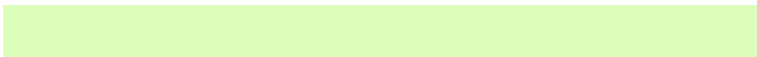
The Sweet Spot groups the original color and five complimentary colors.



85.9334, 0.2919, 0.3667



95.6759, 0.3061, 0.3394



89.2304, 0.3308, 0.3992



20.3150, 0.3049, 0.3415



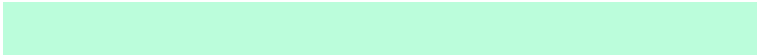
0.0000, 0.0000, 0.0000



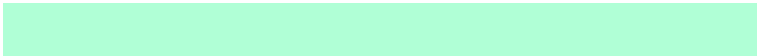
21.4041, 0.3127, 0.3290

Same Dimension

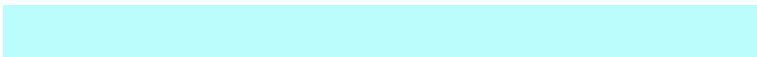
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9334, 0.2919, 0.3667



85.6141, 0.2883, 0.3750



87.8411, 0.2750, 0.3301



20.3150, 0.3049, 0.3415



38.1568, 0.2739, 0.5062



3.7372, 0.2681, 0.4850

Inverse Universe

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



61.6370, 0.3405, 0.2942



57.2832, 0.3473, 0.2874



60.0518, 0.3679, 0.3280



18.1433, 0.3213, 0.3168



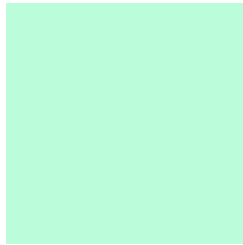
12.0000, 0.4901, 0.2473



1.1905, 0.4655, 0.2338

Previews

White Background



This preview shows how the Yxy color 85.9298, 0.2919, 0.3667 looks on a white background.

Color Contrast Check

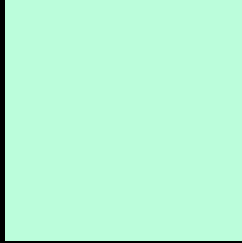
Large Text (above 18pt) WCAG AA × Fail

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 85.9298, 0.2919, 0.3667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

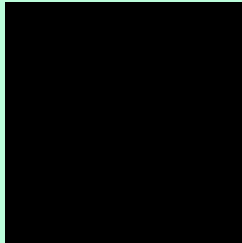
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

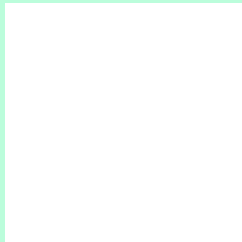
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.9298, 0.2919, 0.3667

Background



This preview shows how black text looks on a background with the Yxy color 85.9298, 0.2919, 0.3667.

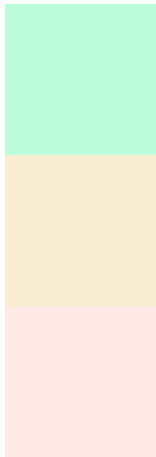


This preview shows how white text looks on a background with the Yxy color 85.9298, 0.2919, 0.3667.

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

85.9298, 0.2919, 0.3667

Protanopia

85.2280, 0.3367, 0.3554

Deuteranopia

85.2510, 0.3297, 0.3320



Tritanopia

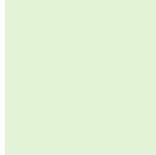
85.6173, 0.2878, 0.3165

Trichromacy



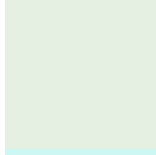
Original Color

85.9298, 0.2919, 0.3667



Protanomaly

85.1250, 0.3191, 0.3596



Deuteranomaly

84.6342, 0.3147, 0.3435



Tritanomaly

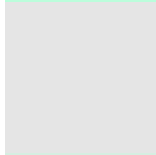
85.7697, 0.2891, 0.3342

Monochromacy



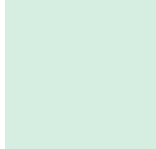
Original Color

85.9298, 0.2919, 0.3667



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.8815, 0.3049, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9298, 0.2919, 0.3667 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(187, 253, 219)` looks like.

```
.text, #text, p{  
    color:rgb(187, 253, 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(187, 253, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 253, 219) }
```

Border

The CSS property to change the border of an element to Yxy 85.9298, 0.2919, 0.3667 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(187, 253, 219) }
```

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

```
.border{ border-color:rgb(187, 253, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 253, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 253, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 253, 219);  
box-shadow:4px 4px 4px 4px rgb(187, 253,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9298, 0.2919, 0.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 253, 219) }
```

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

```
.background{ background-color: rgb(187,  
253, 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](#).

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