

Converting Colors

$Y_{xy}(110.0787, 0.3050, 0.4138)$

Have a look what the booklet for
Yxy(110.0787, 0.3050, 0.4138)
contains.

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Color

Yxy(87.9335, 0.3059, 0.3839)

Conversions

Conversions Part 1

Format	Color
Hex	C6FFCD
RGB	198, 255, 205
RGB Percent	78%, 100%, 80%
CMY	0.2236, 0.0000, 0.1960
CMYK	0.22, 0.00, 0.20, 0.00
HSL	127°, 100%, 89%
HSV	127°, 22%, 100%
XYZ	70.0674, 87.9335, 71.0523
YIQ	232.2570, -17.9220, -27.6340

Conversions

Conversions Part 2

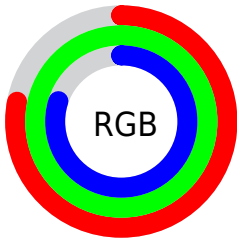
Format	Color
RYB	198, 249, 255
Decimal	13041613
CIELab	95.13, -27.34, 18.13
CIElCh	95, 32.810, 146.448
Yxy	87.9335, 0.3059, 0.3839
Android (android.graphics.Color)	4291231693 (0xFFC6FFCD)
YUV	232.2570, -13.4377, -30.0434
Hunter-Lab	93.7729, -30.7268, 20.7166

Details

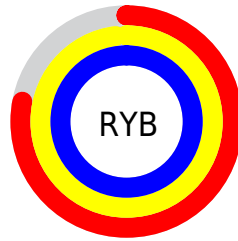
The Yxy color **87.9335, 0.3059, 0.3839** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.4166, 0.3203, 0.2797**, and the grayscale version is **81.0094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4622, 0.3035, 0.3964** is the 20% darker color. If you saturate the color by 10%, you get **83.7511, 0.3029, 0.4132**, and if you desaturate by 10%, it is **92.8522, 0.3090, 0.3575**.

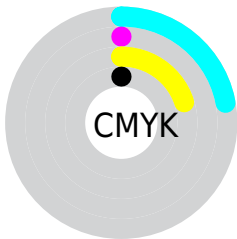
Distribution



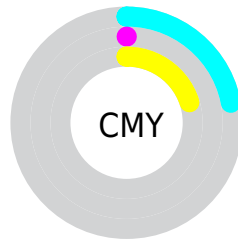
- Red (78%)
- Green (100%)
- Blue (80%)



- Red (78%)
- Yellow (98%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9335, 0.3059, 0.3839 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 87.9335, 0.3059, 0.3839 by changing the saturation by 10% instead.

 87.9335, 0.3059,
0.3839

 87.9335, 0.3059,
0.3839


521.2854, 0.3094,
0.3584

 66.2680, 0.3050,
0.3897


144.4646, 0.3072,
0.3750

 48.4900, 0.3039,
0.3970


180.0989, 0.3077,
0.3716

 34.2151, 0.3023,
0.4061


221.1584, 0.3081,
0.3686

 23.0589, 0.3003,
0.4181

268.0273, 0.3084,
0.3661

 14.6370, 0.2972,
0.4344

321.0900, 0.3087,
0.3638

 8.5650, 0.2924,
0.4578

380.7310, 0.3090,

 4.4586, 0.2841,

0.3618

0.4941

447.3347, 0.3092,
0.3600

■ 1.9332, 0.2715,
0.5657

■ 0.5682, 0.0000,
1.0000

■ 87.9335, 0.3059,
0.3839

■ 87.9335, 0.3059,
0.3839

■ 83.7511, 0.3029,
0.4132

■ 92.8522, 0.3090,
0.3575

■ 80.2711, 0.3001,
0.4448

■ 98.5423, 0.3120,
0.3341

■ 77.4543, 0.2978,
0.4775

■ 100.0000, 0.3127,
0.3290

■ 75.2581, 0.2962,
0.5099

■ 73.6353, 0.2954,
0.5396

■ 72.5314, 0.2956,
0.5647

■ 71.8815, 0.2968,
0.5831

■ 71.6215, 0.2979,
0.5924

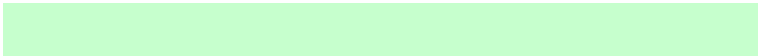
Harmonies

Analogous

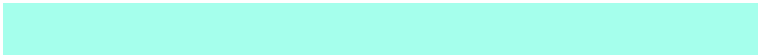
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9335, 0.3427, 0.3957



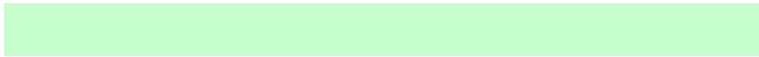
87.9335, 0.3059, 0.3839



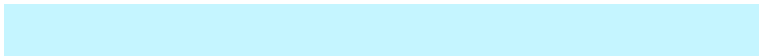
87.9335, 0.2722, 0.3542

Triad

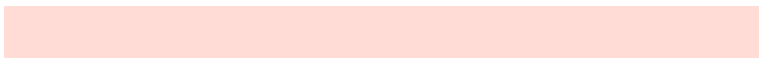
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9335, 0.3059, 0.3839



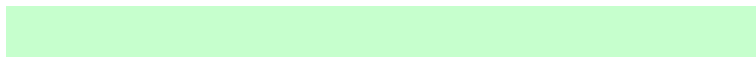
87.9335, 0.2546, 0.2713



87.9335, 0.3795, 0.3339

Complementary

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



87.9335, 0.3059, 0.3839



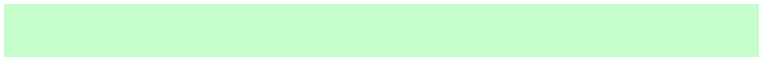
68.4166, 0.3203, 0.2797

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.



87.9335, 0.3531, 0.3046



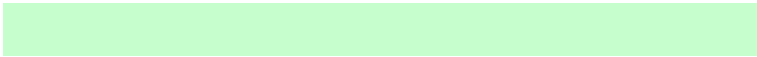
87.9335, 0.3059, 0.3839



87.9335, 0.2803, 0.2695

Square

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



87.9335, 0.3059, 0.3839



87.9335, 0.2439, 0.2881



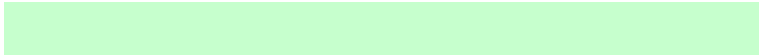
87.9335, 0.3162, 0.2816



87.9335, 0.3866, 0.3638

Rectangle

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



87.9335, 0.3059, 0.3839



87.9335, 0.2558, 0.3300



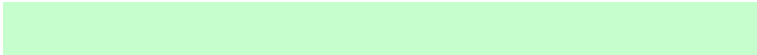
87.9335, 0.3162, 0.2816



87.9335, 0.3725, 0.3238

Sweetspot

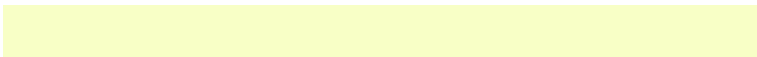
The Sweet Spot groups the original color and five complimentary colors.



87.9329, 0.3059, 0.3839



95.8033, 0.3106, 0.3446



95.6168, 0.3421, 0.3859



20.4323, 0.3104, 0.3460



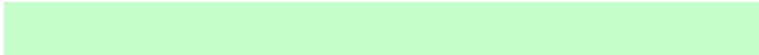
0.0000, 0.0000, 0.0000



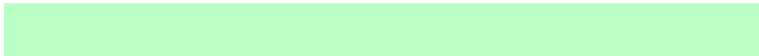
21.4041, 0.3127, 0.3290

Same Dimension

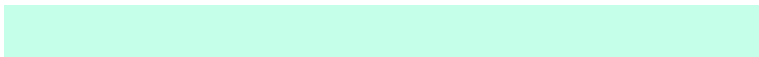
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9329, 0.3059, 0.3839



85.9023, 0.3045, 0.3972



89.4153, 0.2907, 0.3524



20.2046, 0.3099, 0.3505



37.4351, 0.2975, 0.5909



3.6559, 0.2932, 0.5756

Inverse Universe

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



68.4166, 0.3203, 0.2797



63.1256, 0.3222, 0.2692



66.8007, 0.3414, 0.3068



18.2595, 0.3157, 0.3084



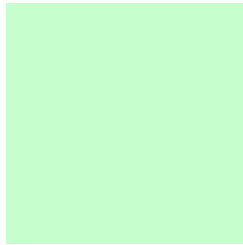
13.9224, 0.3548, 0.1728



1.3660, 0.3504, 0.1704

Previews

White Background



This preview shows how the Yxy color 87.9335, 0.3059, 0.3839 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 87.9335, 0.3059, 0.3839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

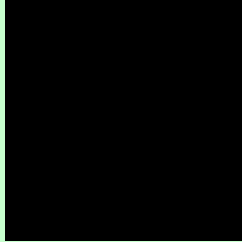
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

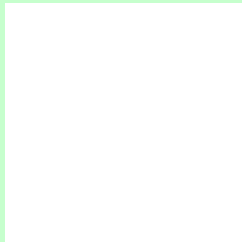
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9335, 0.3059, 0.3839

Background



This preview shows how black text looks on a background with the Yxy color 87.9335, 0.3059, 0.3839.

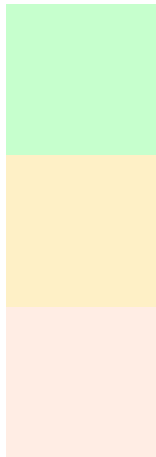


This preview shows how white text looks on a background with the Yxy color 87.9335, 0.3059, 0.3839.

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

87.9335, 0.3059, 0.3839

Protanopia

87.4682, 0.3489, 0.3711

Deuteranopia

87.4298, 0.3306, 0.3379



Tritanopia

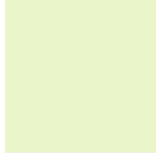
87.7687, 0.2938, 0.3178

Trichromacy



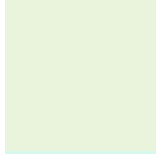
Original Color

87.9335, 0.3059, 0.3839



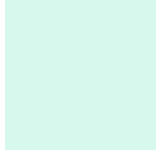
Protanomaly

87.0143, 0.3323, 0.3749



Deuteranomaly

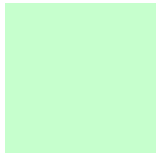
87.3611, 0.3207, 0.3537



Tritanomaly

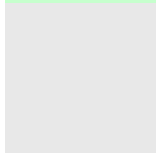
87.6963, 0.2985, 0.3405

Monochromacy



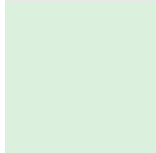
Original Color

87.9335, 0.3059, 0.3839



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.8097, 0.3105, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9335, 0.3059, 0.3839 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(198, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 205)  
}
```

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(198, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 205) }
```

Border

The CSS property to change the border of an element to Yxy 87.9335, 0.3059, 0.3839 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(198, 255, 205) }
```

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

```
.border{ border-color:rgb(198, 255, 205) }
```

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

Here you see how a box with a 4 pixel rgb(198, 255, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9335, 0.3059, 0.3839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 205) }
```

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

```
.background{ background-color: rgb(198,  
255, 205) }
```

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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