

# Converting Colors

$Yxy(86.9816, 0.2980, 0.3791)$

Have a look what the booklet for  
Yxy(86.9816, 0.2980, 0.3791)  
contains.

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# Color

**Yxy(86.9920, 0.2979, 0.3790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BDFFD2</a>
RGB	<a href="#">189, 255, 210</a>
RGB Percent	<a href="#">74%, 100%, 82%</a>
CMY	<a href="#">0.2589, 0.0000, 0.1765</a>
CMYK	<a href="#">0.26, 0.00, 0.18, 0.00</a>
HSL	<a href="#">139°, 100%, 87%</a>
HSV	<a href="#">139°, 26%, 100%</a>
XYZ	<a href="#">68.3771, 86.9920, 74.1613</a>
YIQ	<a href="#">230.1360, -24.8910, -27.9870</a>

# Conversions

## Conversions Part 2

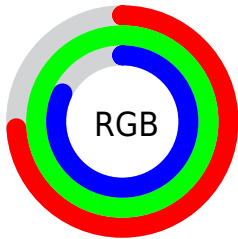
Format	Color
<b>RYB</b>	189, 239, 255
Decimal	12451794
CIELab	94.73, -29.29, 14.95
CIELCh	95, 32.885, 152.954
Yxy	86.9920, 0.2979, 0.3790
Android (android.graphics.Color)	4290641874 (0xFFBDDFFD2)
YUV	230.1360, -9.9270, -36.0763
Hunter-Lab	93.2695, -32.3609, 18.1455

# Details

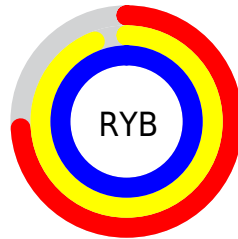
The Yxy color **86.9920, 0.2979, 0.3790** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.5904, 0.3315, 0.2838**, and the grayscale version is **79.3224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **47.8231, 0.2943, 0.3916** is the 20% darker color. If you saturate the color by 10%, you get **83.1917, 0.2927, 0.4022**, and if you desaturate by 10%, it is **91.4573, 0.3035, 0.3579**.

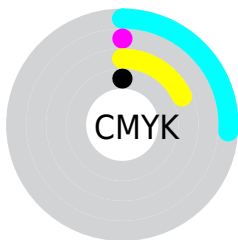
# Distribution



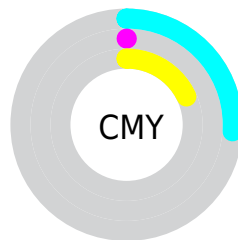
- Red (74%)
- Green (100%)
- Blue (82%)



- Red (74%)
- Yellow (94%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.9920, 0.2979, 0.3790 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 86.9920, 0.2979, 0.3790 by changing the saturation by 10% instead.





 86.9920, 0.2979,  
0.3790

 86.9920, 0.2979,  
0.3790


518.1966, 0.3049,  
0.3558

 65.4886, 0.2962,  
0.3843

 143.1530, 0.3004,  
0.3709

 47.8574, 0.2942,  
0.3909


178.5794, 0.3013,  
0.3678

 33.7139, 0.2915,  
0.3993


219.4155, 0.3022,  
0.3651

 22.6739, 0.2880,  
0.4103

266.0458, 0.3029,  
0.3627

 14.3529, 0.2831,  
0.4252

318.8547, 0.3035,  
0.3607

 8.3665, 0.2759,  
0.4468

378.2265, 0.3040,

 4.3304, 0.2642,

0.3588

0.4806

444.5457, 0.3045,  
0.3572

1.8600, 0.2438,  
0.5429

0.5242, 0.0000,  
1.0000

86.9920, 0.2979,  
0.3790

86.9920, 0.2979,  
0.3790

83.1917, 0.2927,  
0.4022

91.4573, 0.3035,  
0.3579

80.0270, 0.2883,  
0.4272

96.6219, 0.3093,  
0.3391

77.4607, 0.2849,  
0.4535

100.0000, 0.3127,  
0.3290

75.4532, 0.2829,  
0.4802

■ 73.9601, 0.2826,  
0.5061

■ 72.9295, 0.2840,  
0.5301

■ 72.2978, 0.2870,  
0.5509

■ 72.1168, 0.2885,  
0.5584

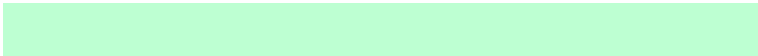
# Harmonies

## Analogous

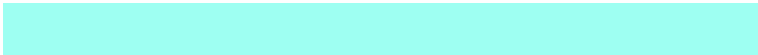
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9920, 0.3351, 0.3954



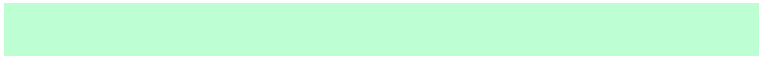
86.9920, 0.2979, 0.3790



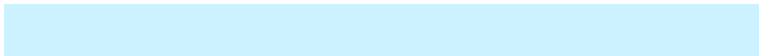
86.9920, 0.2660, 0.3466

# Triad

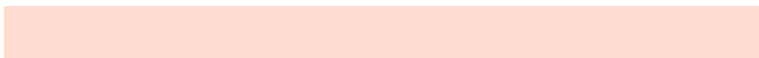
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9920, 0.2979, 0.3790



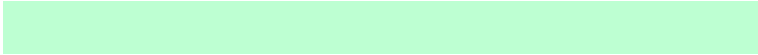
86.9920, 0.2587, 0.2693



86.9920, 0.3832, 0.3406

# Complementary

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



86.9920, 0.2979, 0.3790



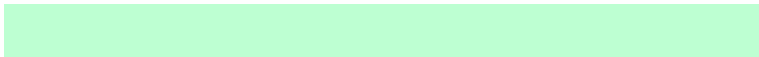
63.5904, 0.3315, 0.2838

# 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.



86.9920, 0.3603, 0.3105



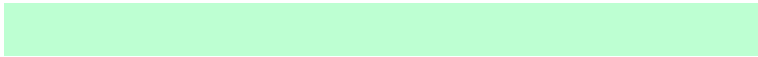
86.9920, 0.2979, 0.3790



86.9920, 0.2873, 0.2707

# Square

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



86.9920, 0.2979, 0.3790



86.9920, 0.2444, 0.2829



86.9920, 0.3245, 0.2856

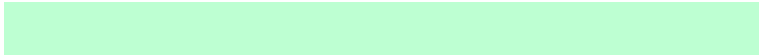


86.9920, 0.3857, 0.3699



# Rectangle

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



86.9920, 0.2979, 0.3790



86.9920, 0.2515, 0.3222



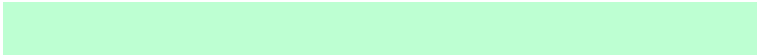
86.9920, 0.3245, 0.2856



86.9920, 0.3776, 0.3304

# Sweetspot

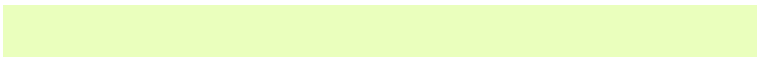
The Sweet Spot groups the original color and five complimentary colors.



86.9908, 0.2979, 0.3790



95.4707, 0.3081, 0.3429



92.7025, 0.3380, 0.3970



20.2635, 0.3072, 0.3456



0.0000, 0.0000, 0.0000

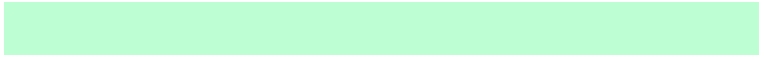


21.4041, 0.3127, 0.3290

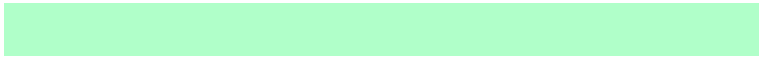


# Same Dimension

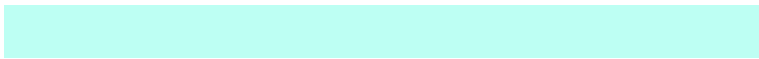
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9908, 0.2979, 0.3790



84.9668, 0.2952, 0.3906



88.8024, 0.2807, 0.3419



20.2635, 0.3072, 0.3456



37.7064, 0.2876, 0.5555



3.6902, 0.2814, 0.5330



# Inverse Universe

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



63.5904, 0.3315, 0.2838



57.9949, 0.3362, 0.2746



61.8721, 0.3581, 0.3166



18.1962, 0.3187, 0.3129



12.7304, 0.4219, 0.2098

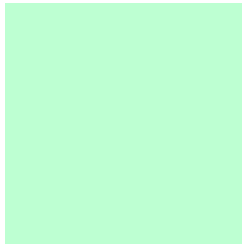


1.2594, 0.4074, 0.2018



# Previews

## White Background



This preview shows how the Yxy color 86.9920, 0.2979, 0.3790 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

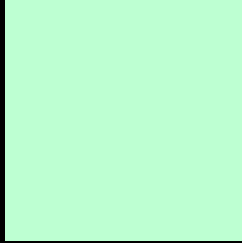
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.9920, 0.2979, 0.3790 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

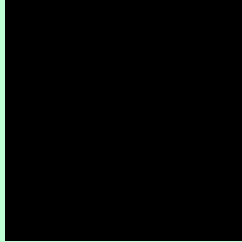
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

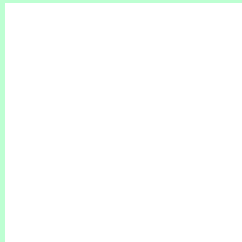
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.9920, 0.2979, 0.3790**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.9920, 0.2979, 0.3790.

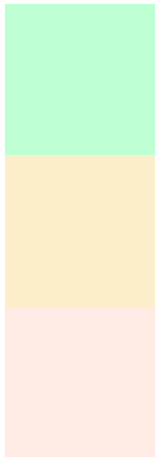


This preview shows how white text looks on a background with the Yxy color 86.9920, 0.2979, 0.3790.

# 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

86.9920, 0.2979, 0.3790

### Protanopia

86.1088, 0.3453, 0.3653

### Deuteranopia

86.2781, 0.3308, 0.3360



## **Tritanopia**

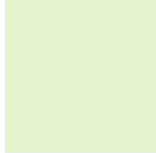
86.8268, 0.2902, 0.3177

# Trichromacy



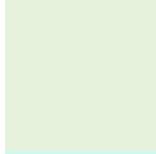
## Original Color

86.9920, 0.2979, 0.3790



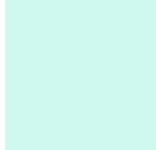
## Protanomaly

85.7672, 0.3265, 0.3700



## Deuteranomaly

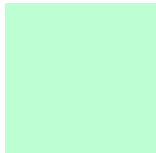
85.7136, 0.3183, 0.3508



## Tritanomaly

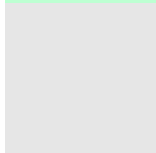
86.6322, 0.2926, 0.3385

# Monochromacy



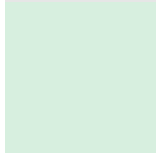
## Original Color

86.9920, 0.2979, 0.3790



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

81.5078, 0.3067, 0.3462

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.9920, 0.2979, 0.3790 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(189, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 210)  
}
```

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(189, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 86.9920, 0.2979, 0.3790 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(189, 255, 210) }
```

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

```
.border{ border-color:rgb(189, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.9920, 0.2979, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 210) }
```

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

```
.background{ background-color: rgb(189,  
255, 210) }
```

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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