

# Converting Colors

$Yxy(86.8402, 0.3095, 0.3973)$

Have a look what the booklet for  
Yxy(86.8402, 0.3095, 0.3973)  
contains.

<b>Yxy(86.8844, 0.3095, 0.3970)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(86.8844, 0.3095, 0.3970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2FFC2
RGB	194, 255, 194
RGB Percent	76%, 100%, 76%
CMY	0.2394, 0.0000, 0.2392
CMYK	0.24, 0.00, 0.24, 0.00
HSL	120°, 100%, 88%
HSV	120°, 24%, 100%
XYZ	67.7348, 86.8844, 64.2332
YIQ	229.8070, -16.7750, -31.9030

# Conversions

## Conversions Part 2

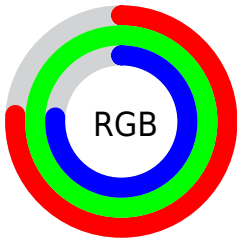
Format	Color
<a href="#">RYB</a>	<a href="#">194, 255, 255</a>
Decimal	<a href="#">12779458</a>
CIELab	<a href="#">94.69, -30.50, 23.11</a>
CIElCh	<a href="#">95, 38.264, 142.853</a>
Yxy	<a href="#">86.8844, 0.3095, 0.3970</a>
Android (android.graphics.Color)	<a href="#">4290969538</a> ( <a href="#">0xFFC2FFC2</a> )
YUV	<a href="#">229.8070, -17.6529, -31.4027</a>
Hunter-Lab	<a href="#">93.2118, -33.4089, 24.3909</a>

# Details

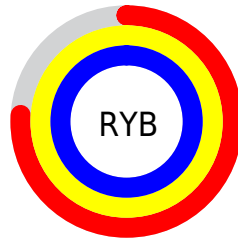
The Yxy color **86.8844, 0.3095, 0.3970** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.0380, 0.3156, 0.2693**, and the grayscale version is **79.1094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9943, 0.3125, 0.3328**, and **47.7706, 0.3080, 0.4136** is the 20% darker color. If you saturate the color by 10%, you get **82.7404, 0.3079, 0.4309**, and if you desaturate by 10%, it is **91.7892, 0.3110, 0.3661**.

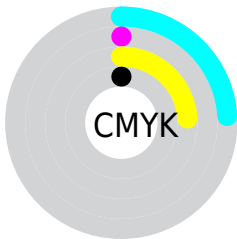
# Distribution



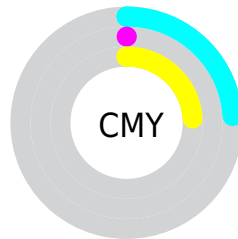
- Red (76%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8844, 0.3095, 0.3970 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 86.8844, 0.3095, 0.3970 by changing the saturation by 10% instead.





 86.8844, 0.3095,  
0.3970

 86.8844, 0.3095,  
0.3970

517.8429, 0.3117,  
0.3652

 65.3995, 0.3088,  
0.4043

 143.0030, 0.3104,  
0.3859

 47.7851, 0.3080,  
0.4134


178.4055, 0.3107,  
0.3816

 33.6568, 0.3067,  
0.4250


219.2161, 0.3109,  
0.3779

 22.6300, 0.3048,  
0.4401

265.8191, 0.3111,  
0.3747

 14.3206, 0.3019,  
0.4608

318.5988, 0.3113,  
0.3719

 8.3440, 0.2969,  
0.4905


377.9398, 0.3114,


 4.3158, 0.2874,


0.3694


0.5364


444.2264, 0.3116,  
0.3672


 1.8518, 0.2853,  
0.6594


 0.5191, 0.0000,  
1.0000


 86.8844, 0.3095,  
0.3970


 86.8844, 0.3095,  
0.3970

 82.7404, 0.3079,  
0.4309


 91.7892, 0.3110,  
0.3661

 79.3391, 0.3062,  
0.4668

 97.5131, 0.3123,  
0.3388

 76.6303, 0.3045,  
0.5029

100.0000, 0.3127,  
0.3290

 74.5665, 0.3029,  
0.5365

■ 73.0941, 0.3016,  
0.5647

■ 72.1512, 0.3007,  
0.5851

■ 71.6616, 0.3001,  
0.5966

■ 71.5204, 0.3000,  
0.6000

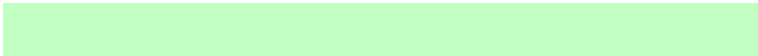
# Harmonies

## Analogous

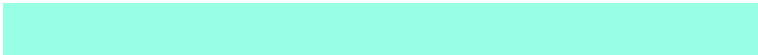
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8844, 0.3522, 0.4074



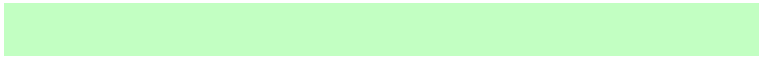
86.8844, 0.3095, 0.3970



86.8844, 0.2695, 0.3636

# Triad

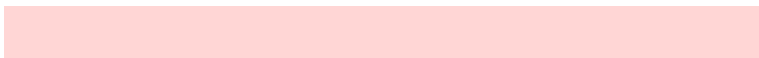
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8844, 0.3095, 0.3970



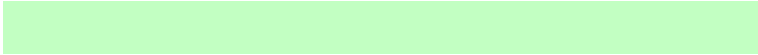
86.8844, 0.2428, 0.2632



86.8844, 0.3884, 0.3299

# Complementary

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



86.8844, 0.3095, 0.3970



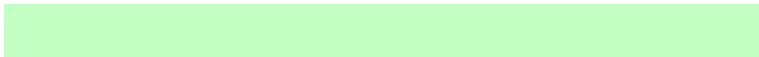
67.0380, 0.3156, 0.2693

# 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.



86.8844, 0.3551, 0.2969



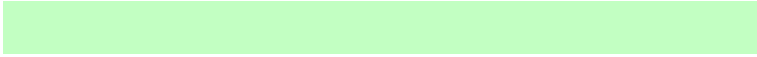
86.8844, 0.3095, 0.3970



86.8844, 0.2705, 0.2596

# Square

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



86.8844, 0.3095, 0.3970



86.8844, 0.2328, 0.2843



86.8844, 0.3111, 0.2718

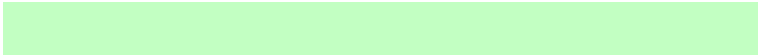


86.8844, 0.3996, 0.3648



# Rectangle

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



86.8844, 0.3095, 0.3970



86.8844, 0.2494, 0.3349



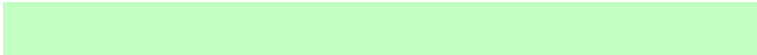
86.8844, 0.3111, 0.2718



86.8844, 0.3793, 0.3184

# Sweetspot

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



86.8772, 0.3095, 0.3970



95.6743, 0.3119, 0.3468



96.6727, 0.3490, 0.3890



20.4025, 0.3118, 0.3484



0.0000, 0.0000, 0.0000

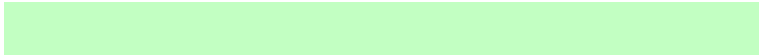


21.4041, 0.3127, 0.3290

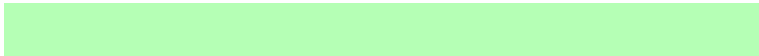


# Same Dimension

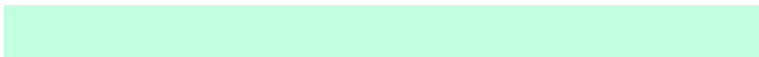
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8772, 0.3095, 0.3970



84.6902, 0.3087, 0.4138



88.3902, 0.2930, 0.3622



20.1684, 0.3116, 0.3536



37.3710, 0.3000, 0.6000



3.6388, 0.3000, 0.5999



# Inverse Universe

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



67.0380, 0.3156, 0.2693



61.5447, 0.3162, 0.2566



65.2284, 0.3384, 0.2981



18.3002, 0.3138, 0.3056



14.8755, 0.3211, 0.1543

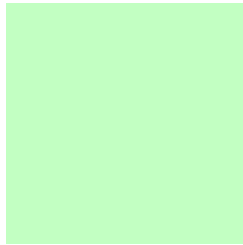


1.4484, 0.3211, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 86.8844, 0.3095, 0.3970 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

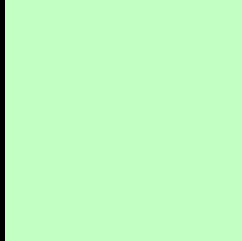
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.8844, 0.3095, 0.3970 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

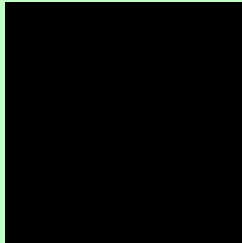
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

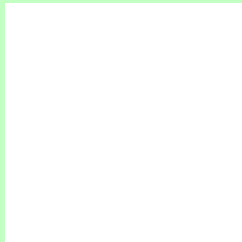
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.8844, 0.3095, 0.3970**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.8844, 0.3095, 0.3970.

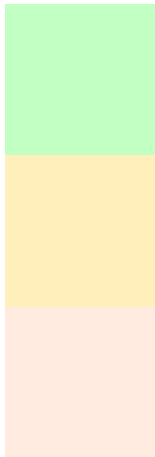


This preview shows how white text looks on a background with the Yxy color 86.8844, 0.3095, 0.3970.

# 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

86.8844, 0.3095, 0.3970

### Protanopia

86.5382, 0.3576, 0.3822

### Deuteranopia

86.0585, 0.3334, 0.3400



## Tritanopia

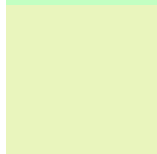
86.5368, 0.2913, 0.3167

# Trichromacy



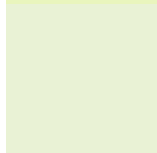
## Original Color

86.8844, 0.3095, 0.3970



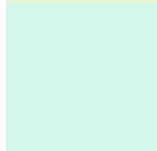
## Protanomaly

86.3026, 0.3390, 0.3878



## Deuteranomaly

85.6320, 0.3245, 0.3592



## Tritanomaly

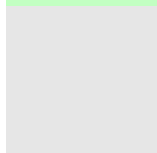
86.2536, 0.2983, 0.3438

# Monochromacy



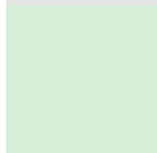
## Original Color

86.8844, 0.3095, 0.3970



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

81.4945, 0.3116, 0.3527

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.8844, 0.3095, 0.3970 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(194, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 194)  
}
```

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(194, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 86.8844, 0.3095, 0.3970 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(194, 255, 194) }
```

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

```
.border{ border-color:rgb(194, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(194, 255, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(194, 255, 194); box-shadow:4px 4px 4px 4px rgb(194, 255, 194) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.8844, 0.3095, 0.3970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 194) }
```

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

```
.background{ background-color: rgb(194,  
255, 194) }
```

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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