

# Converting Colors

$Yxy(88.3028, 0.3090, 0.3830)$

Have a look what the booklet for  
Yxy(88.3028, 0.3090, 0.3830)  
contains.

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# Color

**Yxy(88.6243, 0.3089, 0.3834)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBFFCD
RGB	203, 255, 205
RGB Percent	80%, 100%, 80%
CMY	0.2041, 0.0000, 0.1959
CMYK	0.20, 0.00, 0.20, 0.00
HSL	122°, 100%, 90%
HSV	122°, 20%, 100%
XYZ	71.4034, 88.6243, 71.1260
YIQ	233.7520, -14.9420, -26.5740

# Conversions

## Conversions Part 2

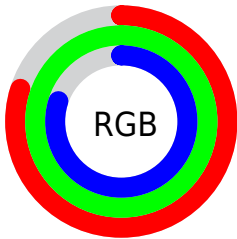
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 253, 255
Decimal	13369293
CIE Lab	95.42, -25.74, 18.57
CIE LCh	95, 31.743, 144.187
Yxy	88.6243, 0.3089, 0.3834
Android (android.graphics.Color)	4291559373 (0xFFCBBFFCD)
YUV	233.7520, -14.1747, -26.9695
Hunter-Lab	94.1405, -29.3578, 21.1030

# Details

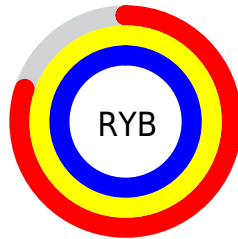
The Yxy color **88.6243, 0.3089, 0.3834** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.0390, 0.3166, 0.2800**, and the grayscale version is **82.1929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.9184, 0.3073, 0.3957** is the 20% darker color. If you saturate the color by 10%, you get **84.2394, 0.3069, 0.4150**, and if you desaturate by 10%, it is **93.7755, 0.3108, 0.3550**.

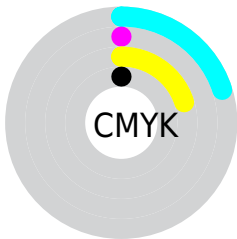
# Distribution



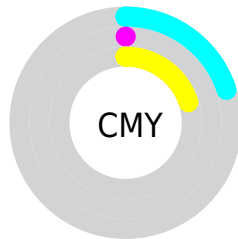
- Red (80%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (99%)
- Blue (100%)



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.6243, 0.3089, 0.3834 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 88.6243, 0.3089, 0.3834 by changing the saturation by 10% instead.



 88.6243, 0.3089,  
0.3834

 88.6243, 0.3089,  
0.3834


523.5455, 0.3111,  
0.3582

 66.8402, 0.3083,  
0.3892


145.4260, 0.3097,  
0.3747

 48.9548, 0.3075,  
0.3963


181.2124, 0.3100,  
0.3713

 34.5836, 0.3065,  
0.4053


222.4350, 0.3103,  
0.3683

 23.3423, 0.3050,  
0.4170

269.4783, 0.3105,  
0.3658

 14.8465, 0.3028,  
0.4329

322.7266, 0.3107,  
0.3635

 8.7117, 0.2991,  
0.4558

382.5643, 0.3108,

 4.5536, 0.2925,

0.3616

0.4909

449.3758, 0.3110,  
0.3598

■ 1.9878, 0.2826,  
0.5596

■ 0.6004, 0.0000,  
1.0000

■ 88.6243, 0.3089,  
0.3834

■ 88.6243, 0.3089,  
0.3834

■ 84.2394, 0.3069,  
0.4150

■ 93.7755, 0.3108,  
0.3550

■ 80.5946, 0.3048,  
0.4491

99.7389, 0.3126,  
0.3300

■ 77.6457, 0.3029,  
0.4843

100.0000, 0.3127,  
0.3290

■ 75.3485, 0.3013,  
0.5185

■ 73.6535, 0.3001,  
0.5492

■ 72.5043, 0.2994,  
0.5737

■ 71.8336, 0.2994,  
0.5902

■ 71.5424, 0.2995,  
0.5983

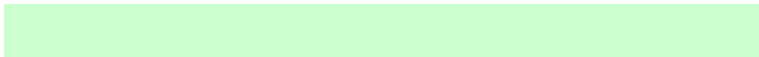
# Harmonies

## Analogous

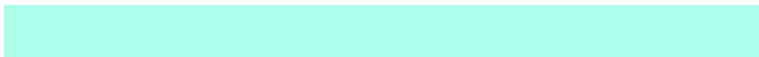
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6243, 0.3443, 0.3933



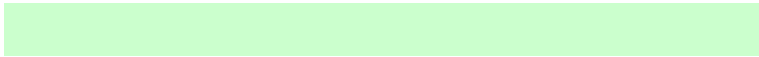
88.6243, 0.3089, 0.3834



88.6243, 0.2758, 0.3559

# Triad

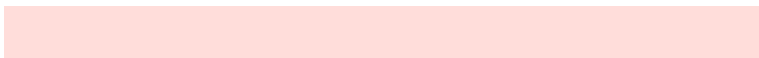
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.6243, 0.3089, 0.3834



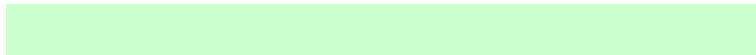
88.6243, 0.2552, 0.2739



88.6243, 0.3757, 0.3316

# Complementary

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



88.6243, 0.3089, 0.3834



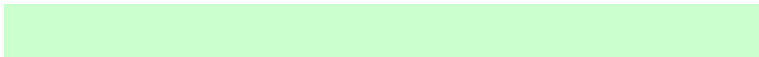
71.0390, 0.3166, 0.2800

# 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.



88.6243, 0.3492, 0.3035



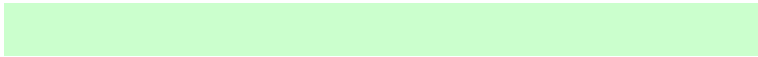
88.6243, 0.3089, 0.3834



88.6243, 0.2792, 0.2711

# Square

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



88.6243, 0.3089, 0.3834



88.6243, 0.2460, 0.2914



88.6243, 0.3133, 0.2819

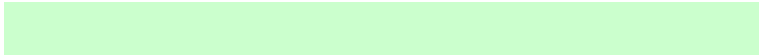


88.6243, 0.3842, 0.3607



# Rectangle

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



88.6243, 0.3089, 0.3834



88.6243, 0.2592, 0.3327



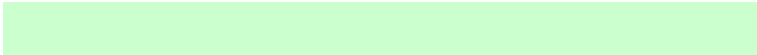
88.6243, 0.3133, 0.2819



88.6243, 0.3686, 0.3219

# Sweetspot

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



88.6206, 0.3089, 0.3834



96.3027, 0.3117, 0.3435



96.7623, 0.3424, 0.3803



20.5304, 0.3115, 0.3452



0.0000, 0.0000, 0.0000

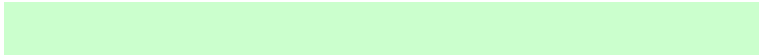


21.4041, 0.3127, 0.3290

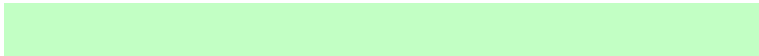


# Same Dimension

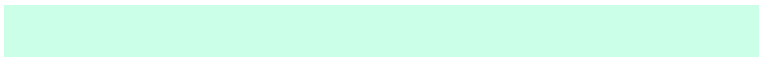
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.6206, 0.3089, 0.3834



86.9598, 0.3082, 0.3944



89.9641, 0.2949, 0.3548



20.1799, 0.3110, 0.3526



37.3875, 0.2993, 0.5976



3.6443, 0.2977, 0.5918



# Inverse Universe

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



71.0390, 0.3166, 0.2800



66.8178, 0.3173, 0.2713



69.5120, 0.3351, 0.3046



18.2871, 0.3144, 0.3065



14.5525, 0.3312, 0.1598

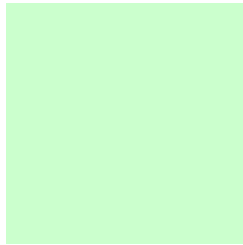


1.4207, 0.3299, 0.1591



# Previews

## White Background



This preview shows how the Yxy color 88.6243, 0.3089, 0.3834 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

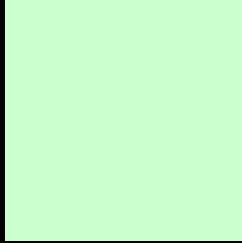
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.6243, 0.3089, 0.3834 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

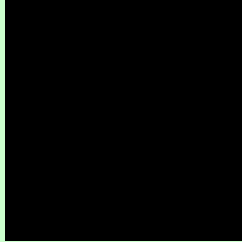
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

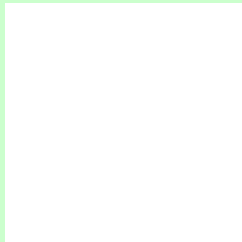
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.6243, 0.3089, 0.3834**

## Background



This preview shows how black text looks on a background with the Yxy color 88.6243, 0.3089, 0.3834.

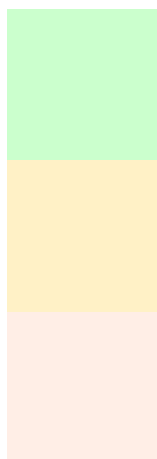


This preview shows how white text looks on a background with the Yxy color 88.6243, 0.3089, 0.3834.

# 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

88.6243, 0.3089, 0.3834

### Protanopia

88.2478, 0.3494, 0.3720

### Deuteranopia

88.1222, 0.3292, 0.3369



## Tritanopia

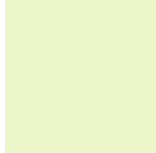
88.2523, 0.2956, 0.3179

# Trichromacy



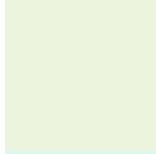
## Original Color

88.6243, 0.3089, 0.3834



## Protanomaly

87.9614, 0.3335, 0.3756



## Deuteranomaly

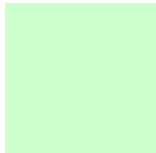
87.7547, 0.3214, 0.3526



## Tritanomaly

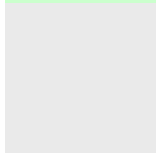
88.1547, 0.3003, 0.3404

# Monochromacy



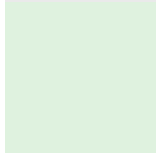
## Original Color

88.6243, 0.3089, 0.3834



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

84.5199, 0.3118, 0.3490

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.6243, 0.3089, 0.3834 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(203, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 88.6243, 0.3089, 0.3834 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(203, 255, 205) }
```

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

```
.border{ border-color:rgb(203, 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(203, 255, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.6243, 0.3089, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 205) }
```

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

```
.background{ background-color: rgb(203,  
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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