

# Converting Colors

$Yxy(88.3605, 0.3105, 0.3866)$

Have a look what the booklet for  
Yxy(88.3605, 0.3105, 0.3866)  
contains.

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# Color

**Yxy(88.4808, 0.3106, 0.3868)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBFFCA
RGB	203, 255, 202
RGB Percent	80%, 100%, 79%
CMY	0.2039, 0.0000, 0.2078
CMYK	0.20, 0.00, 0.21, 0.00
HSL	119°, 100%, 90%
HSV	119°, 21%, 100%
XYZ	71.0500, 88.4808, 69.2200
YIQ	233.4100, -13.9790, -27.5070

# Conversions

## Conversions Part 2

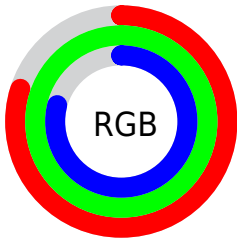
Format	Color
<a href="#">RYB</a>	<a href="#">202, 255, 254</a>
Decimal	<a href="#">13369290</a>
CIELab	<a href="#">95.36, -26.23, 20.03</a>
CIELCh	<a href="#">95, 33.009, 142.630</a>
Yxy	<a href="#">88.4808, 0.3106, 0.3868</a>
Android (android.graphics.Color)	<a href="#">4291559370 (0xFFCBBFCA)</a>
YUV	<a href="#">233.4100, -15.4851, -26.6696</a>
Hunter-Lab	<a href="#">94.0642, -29.7851, 22.2146</a>

# Details

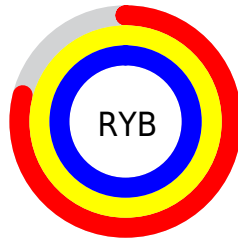
The Yxy color **88.4808, 0.3106, 0.3868** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.5433, 0.3144, 0.2771**, and the grayscale version is **81.9376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.8222, 0.3094, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **84.1365, 0.3093, 0.4197**, and if you desaturate by 10%, it is **93.5928, 0.3117, 0.3571**.

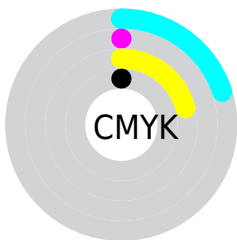
# Distribution



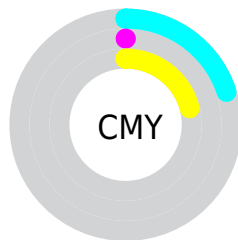
- Red (80%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.4808, 0.3106, 0.3868 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 88.4808, 0.3106, 0.3868 by changing the saturation by 10% instead.



 88.4808, 0.3106,  
0.3868

 88.4808, 0.3106,  
0.3868

523.0765, 0.3121,  
0.3600

 66.7213, 0.3102,  
0.3929


145.2263, 0.3112,  
0.3775

 48.8582, 0.3095,  
0.4005


180.9812, 0.3114,  
0.3739

 34.5070, 0.3087,  
0.4101


222.1700, 0.3116,  
0.3708

 23.2834, 0.3074,  
0.4226

269.1771, 0.3117,  
0.3680

 14.8029, 0.3054,  
0.4396

322.3869, 0.3118,  
0.3657

 8.6812, 0.3020,  
0.4639

382.1838, 0.3119,

 4.5338, 0.2956,

0.3636

0.5014

448.9522, 0.3120,  
0.3617

■ 1.9764, 0.2883,  
0.5794

■ 0.5937, 0.0000,  
1.0000

■ 88.4808, 0.3106,  
0.3868

■ 88.4808, 0.3106,  
0.3868

■ 84.1365, 0.3093,  
0.4197

■ 93.5928, 0.3117,  
0.3571


■ 80.5216, 0.3078,  
0.4550

■ 99.5056, 0.3126,  
0.3309

■ 77.5965, 0.3063,  
0.4912


■ 100.0000, 0.3127,  
0.3290

■ 75.3173, 0.3046,  
0.5257

 73.6352, 0.3031,  
0.5560

 72.4942, 0.3018,  
0.5791

 71.8281, 0.3008,  
0.5936

 71.5505, 0.3003,  
0.5998

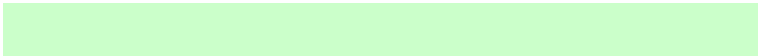
# Harmonies

## Analogous

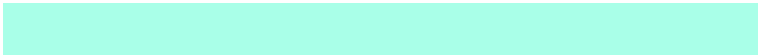
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4808, 0.3473, 0.3960



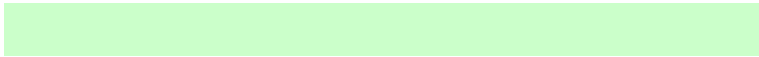
88.4808, 0.3106, 0.3868



88.4808, 0.2759, 0.3588

# Triad

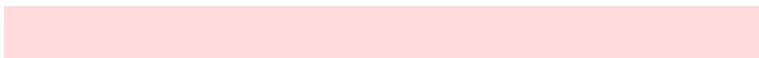
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.4808, 0.3106, 0.3868



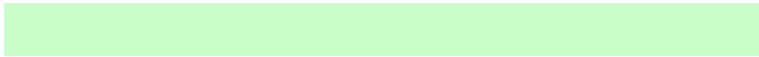
88.4808, 0.2521, 0.2724



88.4808, 0.3773, 0.3300

# Complementary

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



88.4808, 0.3106, 0.3868



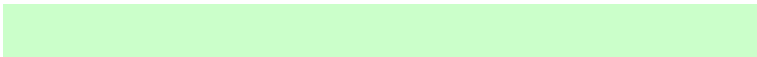
70.5433, 0.3144, 0.2771

# 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.



88.4808, 0.3488, 0.3011



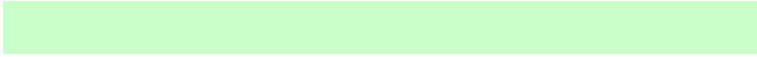
88.4808, 0.3106, 0.3868



88.4808, 0.2762, 0.2687

# Square

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



88.4808, 0.3106, 0.3868



88.4808, 0.2435, 0.2911



88.4808, 0.3113, 0.2792

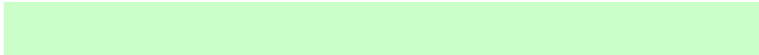


88.4808, 0.3872, 0.3603



# Rectangle

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



88.4808, 0.3106, 0.3868



88.4808, 0.2583, 0.3347



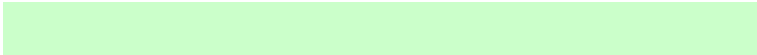
88.4808, 0.3113, 0.2792



88.4808, 0.3695, 0.3199

# Sweetspot

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



88.4813, 0.3106, 0.3868



96.3158, 0.3122, 0.3441



95.9234, 0.3445, 0.3794



20.5335, 0.3121, 0.3459



0.0000, 0.0000, 0.0000

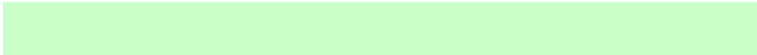


21.4041, 0.3127, 0.3290

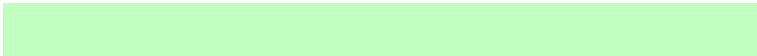


# Same Dimension

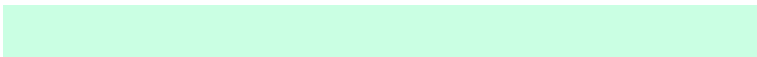
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.4813, 0.3106, 0.3868



86.5554, 0.3101, 0.4003



89.6107, 0.2965, 0.3592



20.1842, 0.3118, 0.3536



37.3936, 0.3004, 0.5997



3.6463, 0.3013, 0.5990



# Inverse Universe

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



70.5433, 0.3144, 0.2771



65.6275, 0.3148, 0.2664



69.2376, 0.3330, 0.3006



18.2822, 0.3135, 0.3056



14.4270, 0.3163, 0.1516

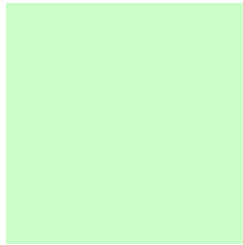


1.4100, 0.3169, 0.1519



# Previews

## White Background



This preview shows how the Yxy color 88.4808, 0.3106, 0.3868 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

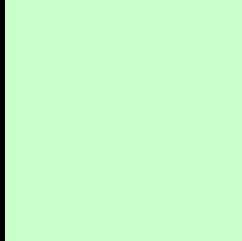
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.4808, 0.3106, 0.3868 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

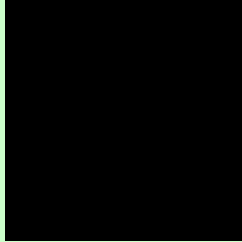
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

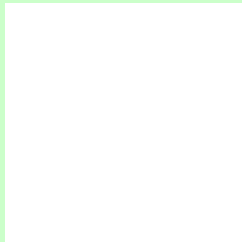
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.4808, 0.3106, 0.3868**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.4808, 0.3106, 0.3868.

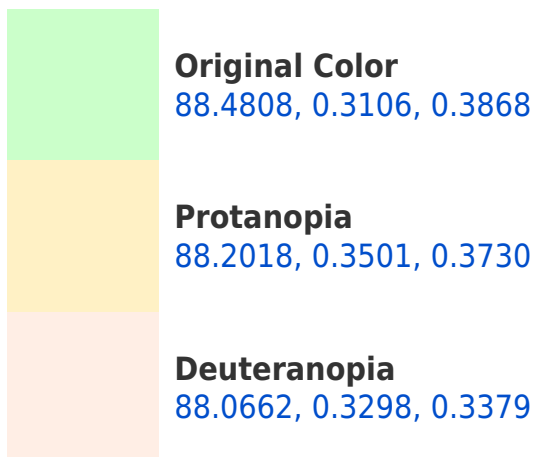


This preview shows how white text looks on a background with the Yxy color 88.4808, 0.3106, 0.3868.

# 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





## Tritanopia

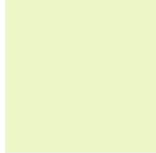
88.2523, 0.2956, 0.3179

# Trichromacy



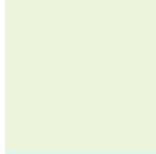
## Original Color

88.4808, 0.3106, 0.3868



## Protanomaly

87.8679, 0.3347, 0.3777



## Deuteranomaly

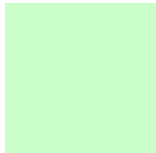
87.6487, 0.3226, 0.3547



## Tritanomaly

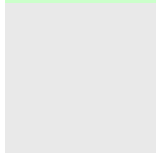
88.0964, 0.3009, 0.3415

# Monochromacy



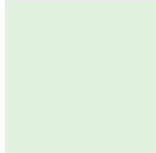
## Original Color

88.4808, 0.3106, 0.3868



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.7141, 0.3118, 0.3491

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.4808, 0.3106, 0.3868 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 88.4808, 0.3106, 0.3868 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, 202) }
```

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

```
.border{ border-color:rgb(203, 255, 202) }
```

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, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.4808, 0.3106, 0.3868 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, 202) }
```

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

```
.background{ background-color: rgb(203,  
255, 202) }
```

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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