

# Converting Colors

$Yxy(89.0049, 0.2964, 0.3630)$

Have a look what the booklet for  
Yxy(89.0049, 0.2964, 0.3630)  
contains.

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# Color

**Yxy(88.9898, 0.2967, 0.3635)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7FFDF
RGB	199, 255, 223
RGB Percent	78%, 100%, 87%
CMY	0.2196, 0.0000, 0.1253
CMYK	0.22, 0.00, 0.13, 0.00
HSL	146°, 100%, 89%
HSV	146°, 22%, 100%
XYZ	72.6362, 88.9898, 83.1877
YIQ	234.6080, -23.1040, -21.8240

# Conversions

## Conversions Part 2

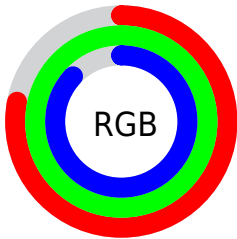
Format	Color
<b>RYB</b>	199, 238, 255
Decimal	13107167
CIELab	95.58, -23.80, 9.54
CIELCh	96, 25.639, 158.165
Yxy	88.9898, 0.2967, 0.3635
Android (android.graphics.Color)	4291297247 (0xFFC7FFDF)
YUV	234.6080, -5.7227, -31.2282
Hunter-Lab	94.3344, -27.6426, 13.7499

# Details

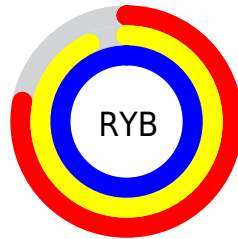
The Yxy color **88.9898, 0.2967, 0.3635** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.8741, 0.3328, 0.2969**, and the grayscale version is **82.8246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.1446, 0.2928, 0.3712** is the 20% darker color. If you saturate the color by 10%, you get **85.0395, 0.2900, 0.3820**, and if you desaturate by 10%, it is **93.5965, 0.3039, 0.3467**.

# Distribution



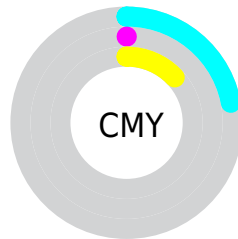
- Red (78%)
- Green (100%)
- Blue (87%)



- Red (78%)
- Yellow (93%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.9898, 0.2967, 0.3635 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 88.9898, 0.2967, 0.3635 by changing the saturation by 10% instead.




 88.9898, 0.2967,  
0.3635

 88.9898, 0.2967,  
0.3635

524.7392, 0.3040,  
0.3477

 67.1431, 0.2950,  
0.3671


145.9344, 0.2992,  
0.3580

 49.2009, 0.2930,  
0.3715

181.8011, 0.3002,  
0.3559

 34.7789, 0.2904,  
0.3770


223.1098, 0.3011,  
0.3541

 23.4926, 0.2871,  
0.3843

270.2451, 0.3018,  
0.3525

 14.9577, 0.2825,  
0.3940

323.5913, 0.3025,  
0.3511

 8.7897, 0.2760,  
0.4079

383.5328, 0.3031,

 4.6043, 0.2661,

0.3498

0.4293

450.4540, 0.3036,  
0.3487

2.0170, 0.2489,  
0.4662

0.6173, 0.0091,  
0.9822

88.9898, 0.2967,  
0.3635

88.9898, 0.2967,  
0.3635

85.0395, 0.2900,  
0.3820

93.5965, 0.3039,  
0.3467

81.7080, 0.2841,  
0.4022


98.8816, 0.3113,  
0.3317

78.9643, 0.2792,  
0.4238

100.0000, 0.3127,  
0.3290

76.7718, 0.2759,  
0.4462

 75.0895, 0.2742,  
0.4688

 73.8705, 0.2746,  
0.4910

 73.0587, 0.2769,  
0.5118

 72.6343, 0.2798,  
0.5272

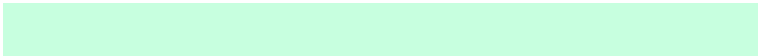
# Harmonies

## Analogous

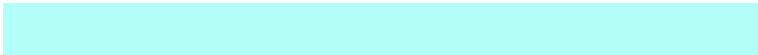
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9898, 0.3255, 0.3787



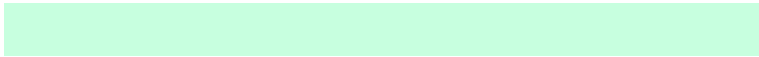
88.9898, 0.2967, 0.3635



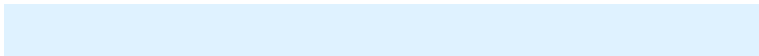
88.9898, 0.2729, 0.3379

# Triad

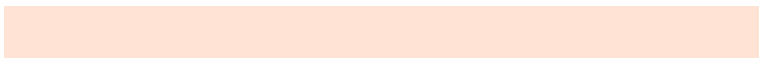
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.9898, 0.2967, 0.3635



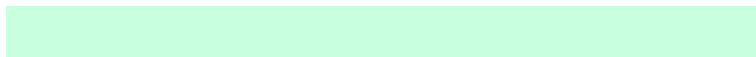
88.9898, 0.2738, 0.2816



88.9898, 0.3686, 0.3429

# Complementary

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



88.9898, 0.2967, 0.3635



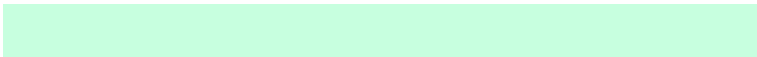
67.8741, 0.3328, 0.2969

# 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.



88.9898, 0.3535, 0.3188



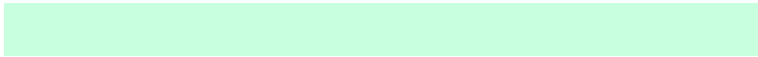
88.9898, 0.2967, 0.3635



88.9898, 0.2980, 0.2844

# Square

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



88.9898, 0.2967, 0.3635



88.9898, 0.2602, 0.2907



88.9898, 0.3272, 0.2978

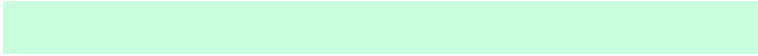


88.9898, 0.3678, 0.3649



# Rectangle

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



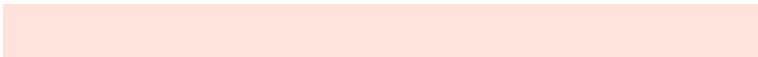
88.9898, 0.2967, 0.3635



88.9898, 0.2628, 0.3195



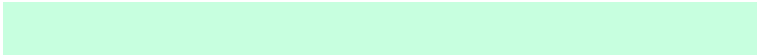
88.9898, 0.3272, 0.2978



88.9898, 0.3652, 0.3348

# Sweetspot

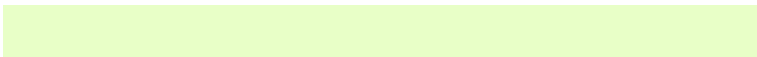
The Sweet Spot groups the original color and five complimentary colors.



88.9920, 0.2967, 0.3635



96.1315, 0.3075, 0.3391



92.7436, 0.3305, 0.3868



20.5081, 0.3071, 0.3400



0.0000, 0.0000, 0.0000

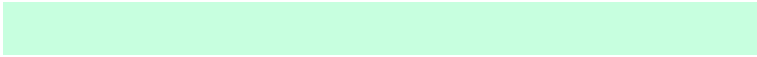


21.4041, 0.3127, 0.3290

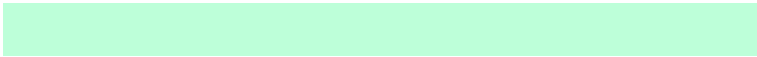


# Same Dimension

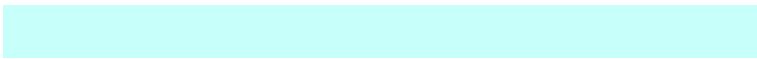
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.9920, 0.2967, 0.3635



87.3187, 0.2939, 0.3708



90.5852, 0.2823, 0.3338



20.2976, 0.3057, 0.3429



37.9815, 0.2789, 0.5242



3.7195, 0.2727, 0.5018



# Inverse Universe

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



67.8741, 0.3328, 0.2969



63.0468, 0.3374, 0.2907



66.4505, 0.3540, 0.3243



18.1608, 0.3204, 0.3155



12.2161, 0.4666, 0.2344

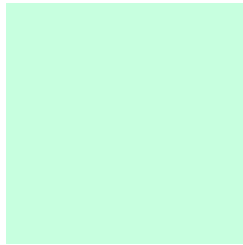


1.2114, 0.4453, 0.2227



# Previews

## White Background



This preview shows how the Yxy color 88.9898, 0.2967, 0.3635 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

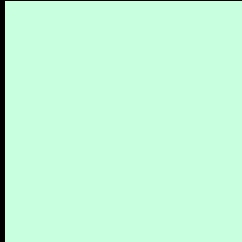
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.9898, 0.2967, 0.3635 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

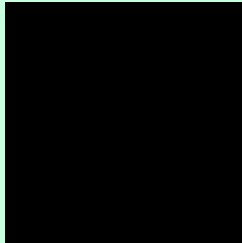
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

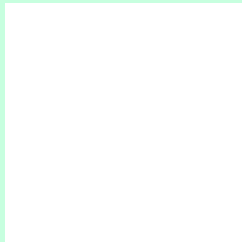
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.9898, 0.2967, 0.3635**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.9898, 0.2967, 0.3635.

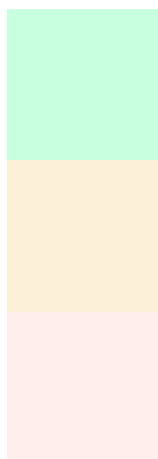


This preview shows how white text looks on a background with the Yxy color 88.9898, 0.2967, 0.3635.

# 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

88.9898, 0.2967, 0.3635

### Protanopia

88.5639, 0.3357, 0.3540

### Deuteranopia

88.4072, 0.3260, 0.3320



## Tritanopia

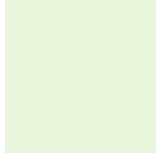
88.6936, 0.2950, 0.3189

# Trichromacy



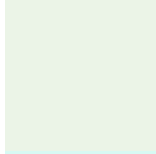
## Original Color

88.9898, 0.2967, 0.3635



## Protanomaly

88.3496, 0.3205, 0.3568



## Deuteranomaly

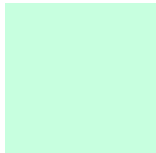
88.1331, 0.3147, 0.3423



## Tritanomaly

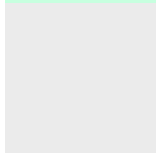
88.8214, 0.2957, 0.3352

# Monochromacy



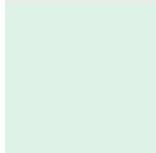
## Original Color

88.9898, 0.2967, 0.3635



## Achromatopsia

83.0770, 0.3127, 0.3290



## Achromatomaly

84.8034, 0.3064, 0.3405

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.9898, 0.2967, 0.3635 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(199, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 223)  
}
```

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(199, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 88.9898, 0.2967, 0.3635 is called "border". The border property can be set on classes, ids or directly on the HTML element.

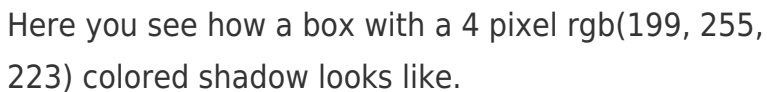
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 255, 223) }
```

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

```
.border{ border-color:rgb(199, 255, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 255, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 255, 223); box-shadow:4px 4px 4px 4px rgb(199, 255, 223) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.9898, 0.2967, 0.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 223) }
```

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

```
.background{ background-color: rgb(199,  
255, 223) }
```

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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