

# Converting Colors

$Yxy(89.4206, 0.3024, 0.3688)$

Have a look what the booklet for  
Yxy(89.4206, 0.3024, 0.3688)  
contains.

<b>Yxy(89.4193, 0.3024, 0.3688)</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(89.4193, 0.3024, 0.3688)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFDA
RGB	204, 255, 218
RGB Percent	80%, 100%, 85%
CMY	0.1999, 0.0000, 0.1451
CMYK	0.20, 0.00, 0.15, 0.00
HSL	136°, 100%, 90%
HSV	136°, 20%, 100%
XYZ	73.3199, 89.4193, 79.7209
YIQ	235.5330, -18.5190, -22.3190

# Conversions

## Conversions Part 2

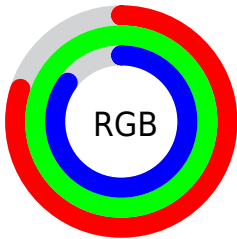
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 244, 255
Decimal	13434842
CIELab	95.76, -23.14, 12.42
CIELCh	96, 26.265, 151.776
Yxy	89.4193, 0.3024, 0.3688
Android (android.graphics.Color)	4291624922 (0xFFCCFFDA)
YUV	235.5330, -8.6438, -27.6544
Hunter-Lab	94.5618, -27.0804, 16.2084

# Details

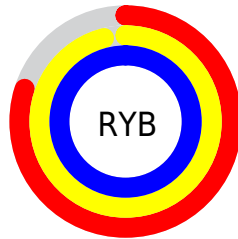
The Yxy color **89.4193, 0.3024, 0.3688** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.8079, 0.3249, 0.2923**, and the grayscale version is **83.5869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4221, 0.2998, 0.3780** is the 20% darker color. If you saturate the color by 10%, you get **85.1928, 0.2975, 0.3923**, and if you desaturate by 10%, it is **94.3493, 0.3075, 0.3477**.

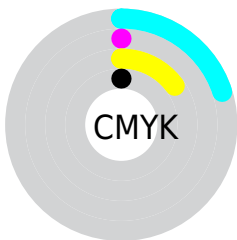
# Distribution



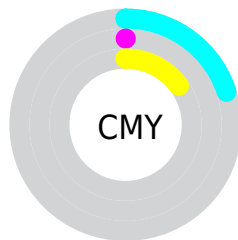
- Red (80%)
- Green (100%)
- Blue (85%)



- Red (80%)
- Yellow (96%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.4193, 0.3024, 0.3688 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 89.4193, 0.3024, 0.3688 by changing the saturation by 10% instead.




 89.4193, 0.3024,  
0.3688

 89.4193, 0.3024,  
0.3688

526.1400, 0.3073,  
0.3505

 67.4991, 0.3013,  
0.3729


146.5315, 0.3041,  
0.3625

 49.4904, 0.2999,  
0.3780


182.4923, 0.3048,  
0.3600

 35.0086, 0.2981,  
0.3845


223.9021, 0.3053,  
0.3579

 23.6695, 0.2957,  
0.3929

271.1454, 0.3058,  
0.3560

 15.0886, 0.2924,  
0.4042

324.6064, 0.3062,  
0.3544

 8.8816, 0.2877,  
0.4204

384.6695, 0.3066,

 4.6640, 0.2801,

0.3530

0.4453

451.7193, 0.3070,  
0.3517

■ 2.0515, 0.2662,  
0.4882

■ 0.6372, 0.0600,  
0.9400

■ 89.4193, 0.3024,  
0.3688

■ 89.4193, 0.3024,  
0.3688

■ 85.1928, 0.2975,  
0.3923

■ 94.3493, 0.3075,  
0.3477

■ 81.6296, 0.2931,  
0.4179

100.0000, 0.3127,  
0.3290

■ 78.6974, 0.2894,  
0.4453

■ 76.3583, 0.2869,  
0.4734

■ 74.5701, 0.2857,  
0.5012

■ 73.2846, 0.2862,  
0.5272

■ 72.4451, 0.2882,  
0.5500

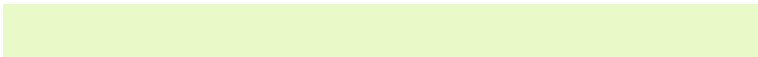
■ 71.9613, 0.2913,  
0.5686

■ 71.9610, 0.2913,  
0.5686

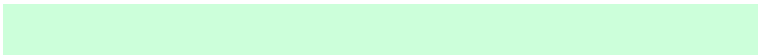
# Harmonies

## Analogous

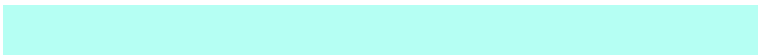
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4193, 0.3320, 0.3812



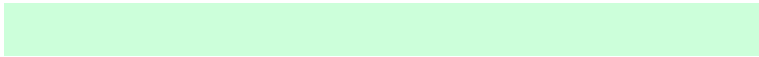
89.4193, 0.3024, 0.3688



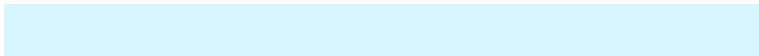
89.4193, 0.2765, 0.3441

# Triad

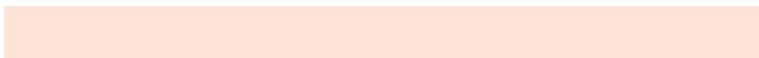
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.4193, 0.3024, 0.3688



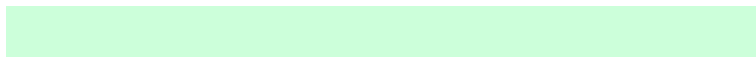
89.4193, 0.2689, 0.2815



89.4193, 0.3679, 0.3379

# Complementary

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



89.4193, 0.3024, 0.3688



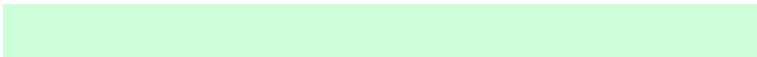
70.8079, 0.3249, 0.2923

# 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.



89.4193, 0.3494, 0.3135



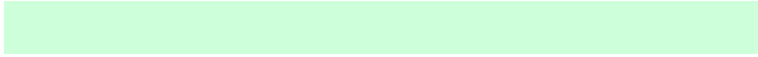
89.4193, 0.3024, 0.3688



89.4193, 0.2917, 0.2819

# Square

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



89.4193, 0.3024, 0.3688



89.4193, 0.2578, 0.2933



89.4193, 0.3211, 0.2935

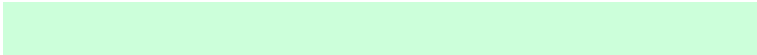


89.4193, 0.3707, 0.3613



# Rectangle

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



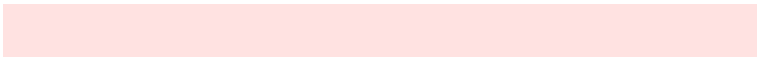
89.4193, 0.3024, 0.3688



89.4193, 0.2644, 0.3251



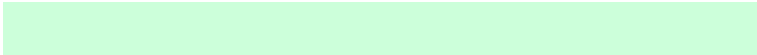
89.4193, 0.3211, 0.2935



89.4193, 0.3633, 0.3296

# Sweetspot

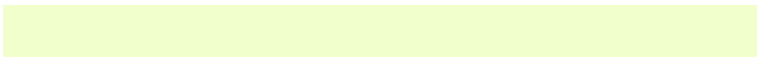
The Sweet Spot groups the original color and five complimentary colors.



89.4220, 0.3024, 0.3688



96.5180, 0.3096, 0.3399



94.6528, 0.3340, 0.3805



20.5812, 0.3093, 0.3412



0.0000, 0.0000, 0.0000

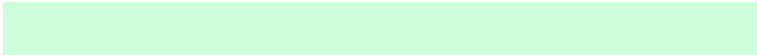


21.4041, 0.3127, 0.3290

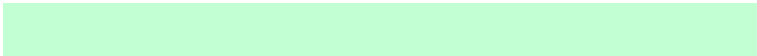


# Same Dimension

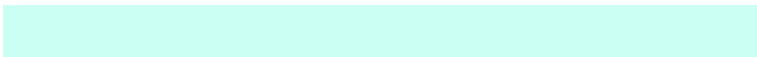
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4220, 0.3024, 0.3688



87.6449, 0.3004, 0.3779



90.8377, 0.2889, 0.3414



20.2500, 0.3078, 0.3467



37.6226, 0.2905, 0.5659



3.6806, 0.2845, 0.5442



# Inverse Universe

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



70.8079, 0.3249, 0.2923



65.9407, 0.3278, 0.2846



69.4090, 0.3435, 0.3170



18.2104, 0.3180, 0.3119



12.9677, 0.4052, 0.2006

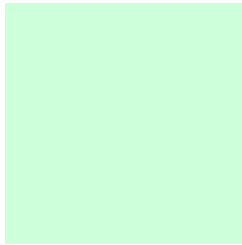


1.2810, 0.3934, 0.1941



# Previews

## White Background



This preview shows how the Yxy color 89.4193, 0.3024, 0.3688 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

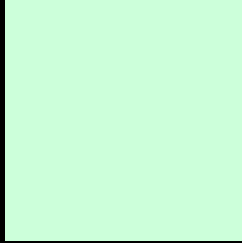
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.4193, 0.3024, 0.3688 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

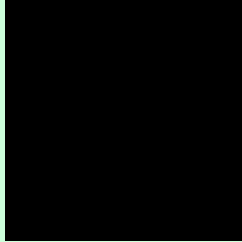
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

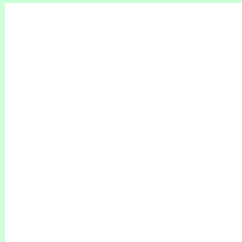
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.4193, 0.3024, 0.3688**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.4193, 0.3024, 0.3688.

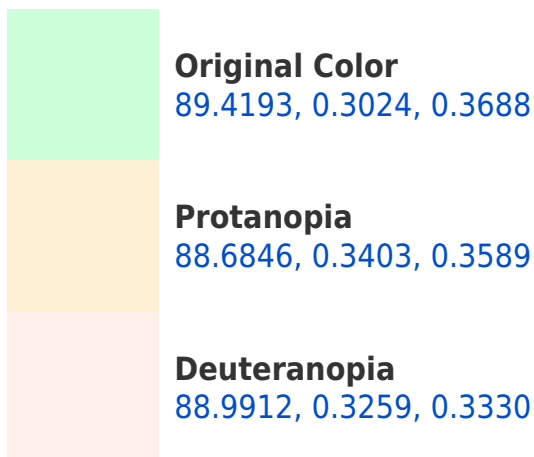


This preview shows how white text looks on a background with the Yxy color 89.4193, 0.3024, 0.3688.

# 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

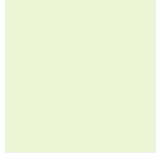
89.1828, 0.2969, 0.3189

# Trichromacy



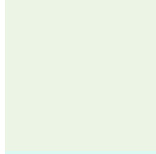
## Original Color

89.4193, 0.3024, 0.3688



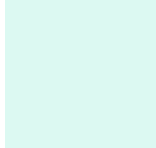
## Protanomaly

88.5994, 0.3255, 0.3619



## Deuteranomaly

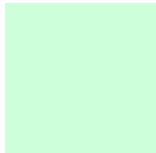
88.7948, 0.3165, 0.3453



## Tritanomaly

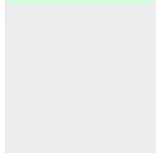
89.3778, 0.2987, 0.3362

# Monochromacy



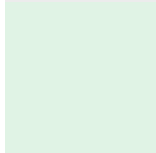
## Original Color

89.4193, 0.3024, 0.3688



## Achromatopsia

83.8799, 0.3127, 0.3290



## Achromatomaly

85.6056, 0.3088, 0.3436

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.4193, 0.3024, 0.3688 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(204, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 218)  
}
```

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(204, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 89.4193, 0.3024, 0.3688 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(204, 255, 218) }
```

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

```
.border{ border-color:rgb(204, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.4193, 0.3024, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 218) }
```

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

```
.background{ background-color: rgb(204,  
255, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor