

# Converting Colors

$Yxy(84.7155, 0.3040, 0.3743)$

Have a look what the booklet for  
Yxy(84.7155, 0.3040, 0.3743)  
contains.

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# Color

**Yxy(84.9804, 0.3038, 0.3743)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6FAD1
RGB	198, 250, 209
RGB Percent	78%, 98%, 82%
CMY	0.2237, 0.0196, 0.1804
CMYK	0.21, 0.00, 0.16, 0.02
HSL	133°, 84%, 88%
HSV	133°, 21%, 98%
XYZ	68.9742, 84.9804, 73.0836
YIQ	229.7780, -17.8310, -23.7750

# Conversions

## Conversions Part 2

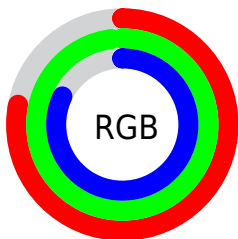
Format	Color
R <sub>YB</sub>	198, 241, 250
Decimal	13040337
CIE <sub>Lab</sub>	93.87, -24.28, 14.33
CIE <sub>LCh</sub>	94, 28.192, 149.457
Y <sub>xy</sub>	84.9804, 0.3038, 0.3743
Android (android.graphics.Color)	4291230417 (0xFFC6FAD1)
YUV	229.7780, -10.2436, -27.8693
Hunter-Lab	92.1848, -27.7668, 17.5246

# Details

The Yxy color **84.9804, 0.3038, 0.3743** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.9282, 0.3231, 0.2876**, and the grayscale version is **79.0414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3461, 0.3009, 0.3840** is the 20% darker color. If you saturate the color by 10%, you get **80.9468, 0.2997, 0.4001**, and if you desaturate by 10%, it is **89.7026, 0.3081, 0.3511**.

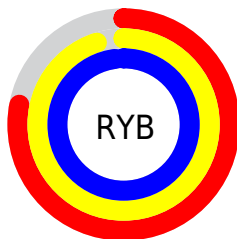
# Distribution



Red (78%)

Green (98%)

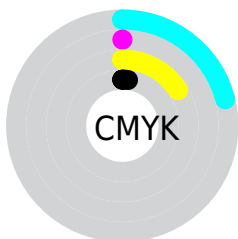
Blue (82%)



Red (78%)

Yellow (95%)

Blue (98%)

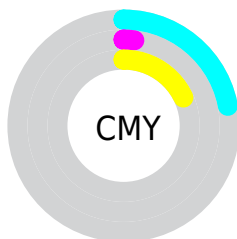


Cyan (21%)

Magenta (0%)

Yellow (16%)

Black (2%)



Cyan (22%)

Magenta (2%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9804, 0.3038, 0.3743 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 84.9804, 0.3038, 0.3743 by changing the saturation by 10% instead.




 84.9804, 0.3038,  
0.3743

 84.9804, 0.3038,  
0.3743

511.5632, 0.3081,  
0.3532

 63.8252, 0.3028,  
0.3791

140.3458, 0.3054,  
0.3670

 46.5091, 0.3014,  
0.3851


175.3248, 0.3059,  
0.3641

 32.6477, 0.2997,  
0.3927


215.6804, 0.3064,  
0.3617

 21.8567, 0.2974,  
0.4027

261.7972, 0.3069,  
0.3596

 13.7517, 0.2942,  
0.4163

314.0595, 0.3073,  
0.3577

 7.9482, 0.2892,  
0.4360

372.8516, 0.3076,

 4.0618, 0.2810,

0.3560

0.4669

438.5581, 0.3079,  
0.3546

1.7082, 0.2672,  
0.5262

0.4289, 0.0000,  
1.0000

84.9804, 0.3038,  
0.3743

84.9804, 0.3038,  
0.3743

80.9468, 0.2997,  
0.4001

89.7026, 0.3081,  
0.3511

77.5591, 0.2960,  
0.4282

95.1324, 0.3124,  
0.3306

74.7864, 0.2929,  
0.4578

96.8603, 0.3129,  
0.3243

72.5912, 0.2908,  
0.4879

■ 70.9313, 0.2899,  
0.5170

■ 69.7591, 0.2904,  
0.5433

■ 69.0178, 0.2922,  
0.5652

■ 68.6373, 0.2946,  
0.5804

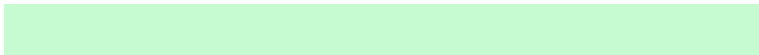
# Harmonies

## Analogous

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



84.9804, 0.3360, 0.3865



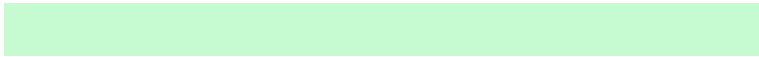
84.9804, 0.3038, 0.3743



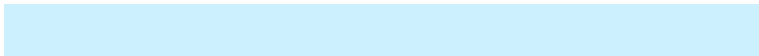
84.9804, 0.2750, 0.3478

# Triad

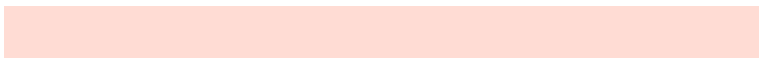
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9804, 0.3038, 0.3743



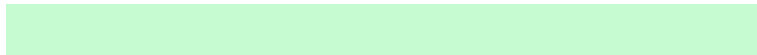
84.9804, 0.2636, 0.2778



84.9804, 0.3720, 0.3364

# Complementary

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



84.9804, 0.3038, 0.3743



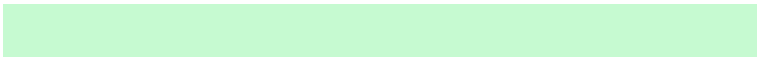
66.9282, 0.3231, 0.2876

# 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.



84.9804, 0.3507, 0.3102



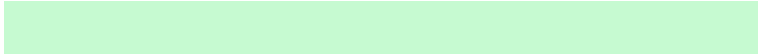
84.9804, 0.3038, 0.3743



84.9804, 0.2874, 0.2773

# Square

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



84.9804, 0.3038, 0.3743



84.9804, 0.2527, 0.2915



84.9804, 0.3192, 0.2891

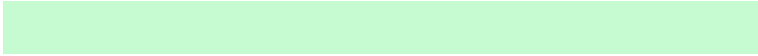


84.9804, 0.3765, 0.3622



# Rectangle

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



84.9804, 0.3038, 0.3743



84.9804, 0.2613, 0.3270



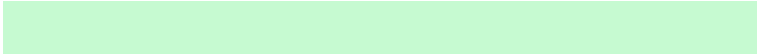
84.9804, 0.3192, 0.2891



84.9804, 0.3666, 0.3274

# Sweetspot

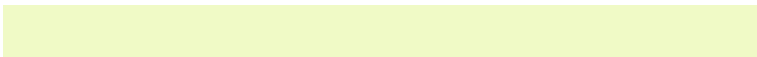
The Sweet Spot groups the original color and five complimentary colors.



84.9840, 0.3038, 0.3743



96.4604, 0.3102, 0.3409



90.9118, 0.3371, 0.3823



20.5676, 0.3099, 0.3422



0.0000, 0.0000, 0.0000

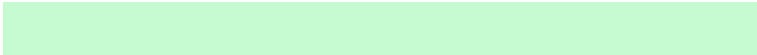


21.4041, 0.3127, 0.3290

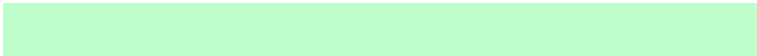


# Same Dimension

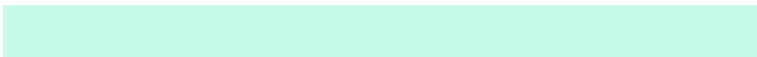
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9840, 0.3038, 0.3743



87.0251, 0.3020, 0.3848



86.3443, 0.2898, 0.3458



19.3694, 0.3087, 0.3482



36.4194, 0.2939, 0.5781



3.3879, 0.2881, 0.5571



# Inverse Universe

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



66.9282, 0.3231, 0.2876



65.0109, 0.3256, 0.2790



65.5307, 0.3423, 0.3129



17.4579, 0.3171, 0.3105



12.9411, 0.3831, 0.1884

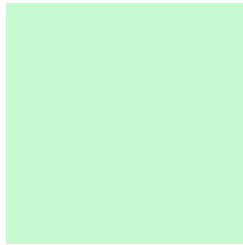


1.2138, 0.3742, 0.1835



# Previews

## White Background



This preview shows how the Yxy color 84.9804, 0.3038, 0.3743 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

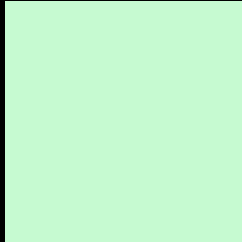
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.9804, 0.3038, 0.3743 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

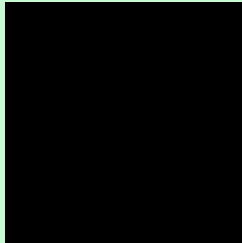
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

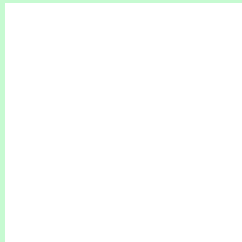
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.9804, 0.3038, 0.3743**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.9804, 0.3038, 0.3743.

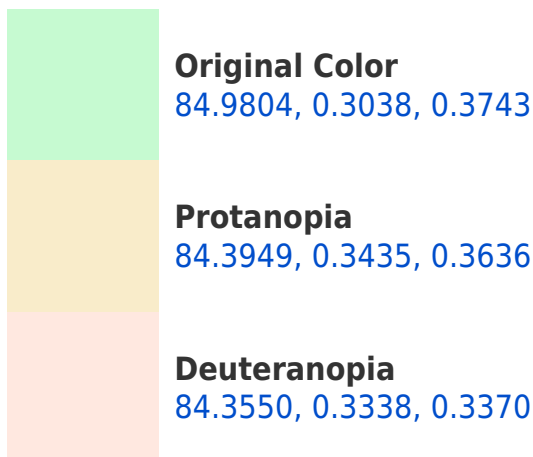


This preview shows how white text looks on a background with the Yxy color 84.9804, 0.3038, 0.3743.

# 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

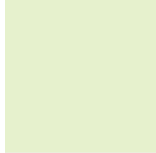
84.7295, 0.2889, 0.3145

# Trichromacy



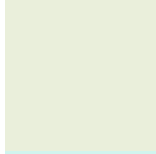
## Original Color

84.9804, 0.3038, 0.3743



## Protanomaly

84.1414, 0.3276, 0.3670



## Deuteranomaly

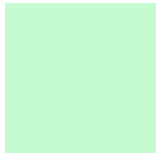
84.3399, 0.3218, 0.3498



## Tritanomaly

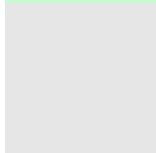
84.4297, 0.2942, 0.3353

# Monochromacy



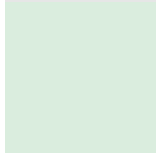
## Original Color

84.9804, 0.3038, 0.3743



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

80.7477, 0.3093, 0.3451

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.9804, 0.3038, 0.3743 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(198, 250, 209)` looks like.

```
.text, #text, p{  
    color:rgb(198, 250, 209)  
}
```

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(198, 250, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 250, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 84.9804, 0.3038, 0.3743 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(198, 250, 209) }
```

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

```
.border{ border-color:rgb(198, 250, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 250, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 250, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 250, 209);  
box-shadow:4px 4px 4px 4px rgb(198, 250,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.9804, 0.3038, 0.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 250, 209) }
```

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

```
.background{ background-color: rgb(198,  
250, 209) }
```

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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