

# Converting Colors

$Yxy(85.1858, 0.3154, 0.3837)$

Have a look what the booklet for  
Yxy(85.1858, 0.3154, 0.3837)  
contains.

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# Color

**Yxy(85.1403, 0.3152, 0.3838)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFF9C7
RGB	207, 249, 199
RGB Percent	81%, 98%, 78%
CMY	0.1881, 0.0235, 0.2197
CMYK	0.17, 0.00, 0.20, 0.02
HSL	110°, 81%, 88%
HSV	110°, 20%, 98%
XYZ	69.9224, 85.1403, 66.7724
YIQ	230.7420, -8.9820, -24.4540

# Conversions

## Conversions Part 2

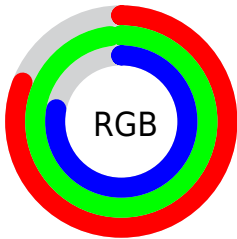
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 249, 241
Decimal	13629895
CIE <sub>Lab</sub>	93.94, -22.53, 19.64
CIE <sub>LCh</sub>	94, 29.886, 138.920
Yxy	85.1403, 0.3152, 0.3838
Android (android.graphics.Color)	4291819975 (0xFFCFF9C7)
YUV	230.7420, -15.6488, -20.8217
Hunter-Lab	92.2715, -26.2096, 21.6848

# Details

The Yxy color **85.1403, 0.3152, 0.3838** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.3726, 0.3091, 0.2781**, and the grayscale version is **79.8387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4190, 0.3151, 0.3963** is the 20% darker color. If you saturate the color by 10%, you get **81.2669, 0.3160, 0.4155**, and if you desaturate by 10%, it is **89.6085, 0.3141, 0.3550**.

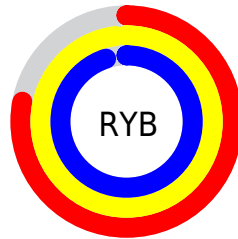
# Distribution



Red (81%)

Green (98%)

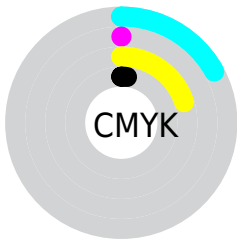
Blue (78%)



Red (78%)

Yellow (98%)

Blue (95%)

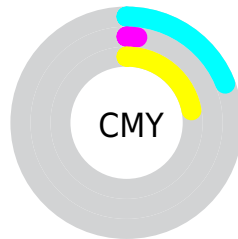


Cyan (17%)

Magenta (0%)

Yellow (20%)

Black (2%)



Cyan (19%)

Magenta (2%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1403, 0.3152, 0.3838 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 85.1403, 0.3152, 0.3838 by changing the saturation by 10% instead.




 85.1403, 0.3152,  
0.3838

 85.1403, 0.3152,  
0.3838

512.0922, 0.3145,  
0.3583

 63.9573, 0.3152,  
0.3897


140.5692, 0.3151,  
0.3749

 46.6161, 0.3152,  
0.3969


175.5839, 0.3150,  
0.3715

 32.7323, 0.3151,  
0.4061


215.9779, 0.3149,  
0.3685

 21.9214, 0.3148,  
0.4181

262.1357, 0.3148,  
0.3659

 13.7992, 0.3141,  
0.4345

314.4416, 0.3147,  
0.3637

 7.9811, 0.3125,  
0.4581

373.2801, 0.3147,

 4.0829, 0.3087,

0.3617

0.4946

439.0355, 0.3146,  
0.3599

1.7200, 0.3120,  
0.5836

0.4366, 0.0000,  
1.0000

85.1403, 0.3152,  
0.3838

85.1403, 0.3152,  
0.3838

81.2669, 0.3160,  
0.4155

89.6085, 0.3141,  
0.3550


77.9526, 0.3163,  
0.4493

94.6836, 0.3127,  
0.3292

75.1745, 0.3160,  
0.4839


96.2305, 0.3130,  
0.3233

72.9041, 0.3149,  
0.5173

 71.1098, 0.3130,  
0.5473

 69.7567, 0.3104,  
0.5714

 68.8046, 0.3072,  
0.5878

 68.2030, 0.3041,  
0.5968

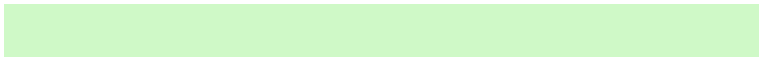
# Harmonies

## Analogous

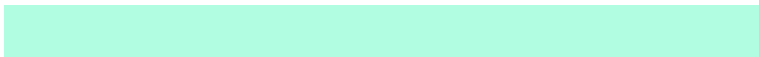
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1403, 0.3484, 0.3900



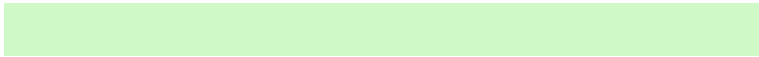
85.1403, 0.3152, 0.3838



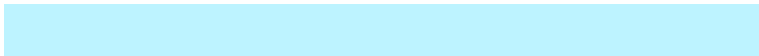
85.1403, 0.2825, 0.3600

# Triad

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



85.1403, 0.3152, 0.3838



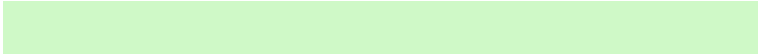
85.1403, 0.2550, 0.2783



85.1403, 0.3694, 0.3267

# Complementary

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



85.1403, 0.3152, 0.3838



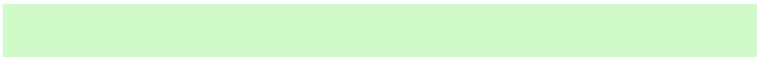
66.3726, 0.3091, 0.2781

# 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.



85.1403, 0.3419, 0.3004



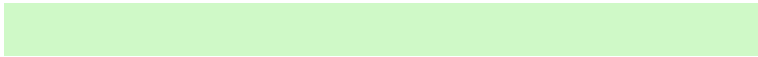
85.1403, 0.3152, 0.3838



85.1403, 0.2758, 0.2731

# Square

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



85.1403, 0.3152, 0.3838



85.1403, 0.2490, 0.2974



85.1403, 0.3072, 0.2812

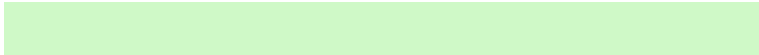


85.1403, 0.3809, 0.3548

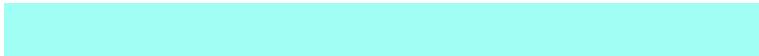


# Rectangle

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



85.1403, 0.3152, 0.3838



85.1403, 0.2653, 0.3385



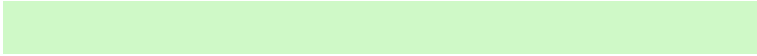
85.1403, 0.3072, 0.2812



85.1403, 0.3617, 0.3174

# Sweetspot

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



85.1439, 0.3152, 0.3838



96.6994, 0.3135, 0.3441



86.9739, 0.3446, 0.3713



20.6238, 0.3136, 0.3458



0.0000, 0.0000, 0.0000

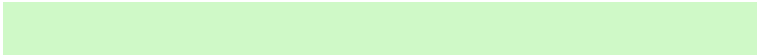


21.4041, 0.3127, 0.3290

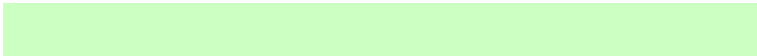


# Same Dimension

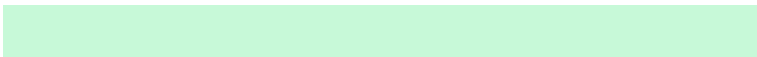
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1439, 0.3152, 0.3838



88.1939, 0.3156, 0.3960



84.8311, 0.3007, 0.3656



19.4433, 0.3140, 0.3534



36.5478, 0.3047, 0.5962



3.4224, 0.3113, 0.5910



# Inverse Universe

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



66.3726, 0.3091, 0.2781



65.1543, 0.3082, 0.2677



66.8254, 0.3271, 0.2950



17.3749, 0.3112, 0.3054



10.9640, 0.2805, 0.1319

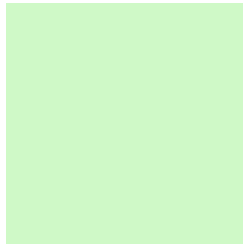


1.0520, 0.2856, 0.1347



# Previews

## White Background



This preview shows how the Yxy color 85.1403, 0.3152, 0.3838 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

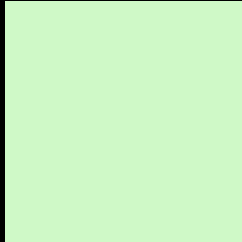
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.1403, 0.3152, 0.3838 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

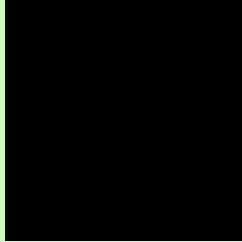
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

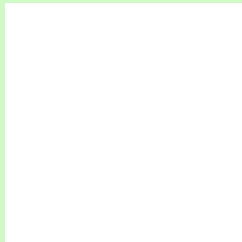
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.1403, 0.3152, 0.3838**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.1403, 0.3152, 0.3838.

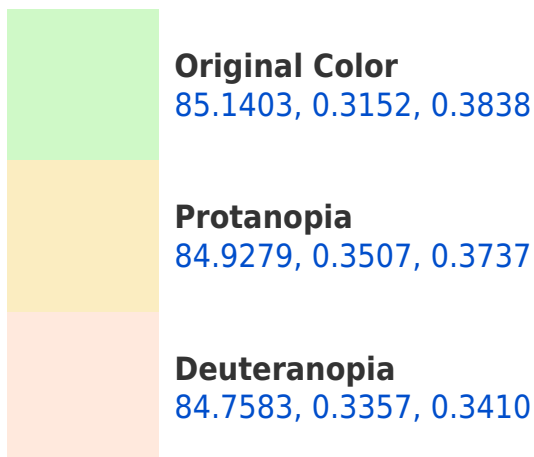


This preview shows how white text looks on a background with the Yxy color 85.1403, 0.3152, 0.3838.

# 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

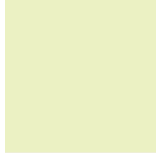
85.0698, 0.2925, 0.3136

# Trichromacy



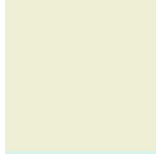
## Original Color

85.1403, 0.3152, 0.3838



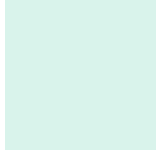
## Protanomaly

84.5129, 0.3373, 0.3772



## Deuteranomaly

84.7142, 0.3283, 0.3559



## Tritanomaly

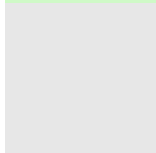
84.8511, 0.3008, 0.3374

# Monochromacy



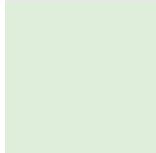
## Original Color

85.1403, 0.3152, 0.3838



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

81.7931, 0.3138, 0.3492

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.1403, 0.3152, 0.3838 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(207, 249, 199)` looks like.

```
.text, #text, p{  
    color:rgb(207, 249, 199)  
}
```

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(207, 249, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 249, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 85.1403, 0.3152, 0.3838 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(207, 249, 199) }
```

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

```
.border{ border-color:rgb(207, 249, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 249, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 249, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 249, 199);  
box-shadow:4px 4px 4px 4px rgb(207, 249,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.1403, 0.3152, 0.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 249, 199) }
```

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

```
.background{ background-color: rgb(207,  
249, 199) }
```

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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