

# Converting Colors

$Yxy(80.5176, 0.3033, 0.3706)$

Have a look what the booklet for  
Yxy(80.5176, 0.3033, 0.3706)  
contains.

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# **Color**

**Yxy(80.8085, 0.3032, 0.3706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3F4CF
RGB	195, 244, 207
RGB Percent	76%, 96%, 81%
CMY	0.2354, 0.0431, 0.1883
CMYK	0.20, 0.00, 0.15, 0.04
HSL	135°, 69%, 86%
HSV	135°, 20%, 96%
XYZ	66.1121, 80.8085, 71.1272
YIQ	225.1310, -17.3270, -21.8950

# Conversions

## Conversions Part 2

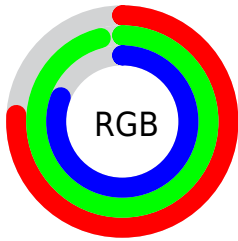
Format	Color
R <sub>Y</sub> B	195, 234, 244
Decimal	12842191
CIE Lab	92.05, -22.70, 12.75
CIE LCh	92, 26.039, 150.679
Yxy	80.8085, 0.3032, 0.3706
Android (android.graphics.Color)	4291032271 (0xFFC3F4CF)
YUV	225.1310, -8.9386, -26.4249
Hunter-Lab	89.8935, -26.0361, 16.0130

# Details

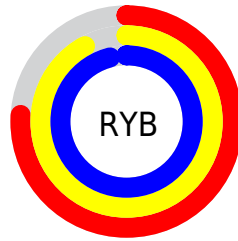
The Yxy color **80.8085, 0.3032, 0.3706** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.0838, 0.3239, 0.2907**, and the grayscale version is **75.4670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **43.9291, 0.3008, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **76.9737, 0.2987, 0.3951**, and if you desaturate by 10%, it is **85.2864, 0.3079, 0.3486**.

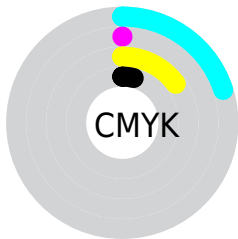
# Distribution



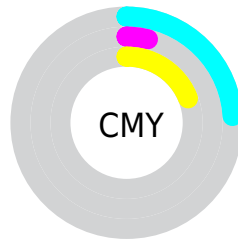
- Red (76%)
- Green (96%)
- Blue (81%)



- Red (76%)
- Yellow (92%)
- Blue (96%)



- Cyan (20%)
- Magenta (0%)
- Yellow (15%)
- Black (4%)




- Cyan (24%)
- Magenta (4%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8085, 0.3032, 0.3706 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 80.8085, 0.3032, 0.3706 by changing the saturation by 10% instead.




 80.8085, 0.3032,  
0.3706

 80.8085, 0.3032,  
0.3706

497.6534, 0.3078,  
0.3511

 60.3839, 0.3021,  
0.3751


 134.5018, 0.3048,  
0.3638

 43.7281, 0.3007,  
0.3807


168.5394, 0.3055,  
0.3612

 30.4568, 0.2989,  
0.3878


207.8833, 0.3060,  
0.3589

 20.1856, 0.2965,  
0.3972

252.9181, 0.3065,  
0.3569

 12.5300, 0.2931,  
0.4102

304.0281, 0.3069,  
0.3552

 7.1057, 0.2879,  
0.4291

361.5977, 0.3072,

 3.5283, 0.2792,

0.3537

426.0113, 0.3075,  
0.3523

0.4593

1.4134, 0.2654,  
0.5259

0.2266, 0.0000,  
1.0000

80.8085, 0.3032,  
0.3706

80.8085, 0.3032,  
0.3706

76.9737, 0.2987,  
0.3951

85.2864, 0.3079,  
0.3486

73.7425, 0.2946,  
0.4217

90.4248, 0.3127,  
0.3292

71.0865, 0.2912,  
0.4501

93.1887, 0.3132,  
0.3185

68.9710, 0.2888,  
0.4791

■ 67.3577, 0.2878,  
0.5076

■ 66.2027, 0.2882,  
0.5340

■ 65.4544, 0.2900,  
0.5566

■ 65.0317, 0.2929,  
0.5743

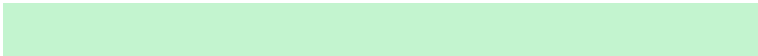
# Harmonies

## Analogous

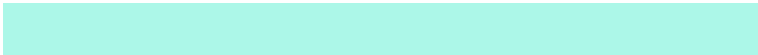
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8085, 0.3335, 0.3827



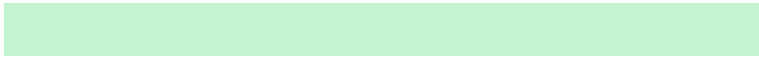
80.8085, 0.3032, 0.3706



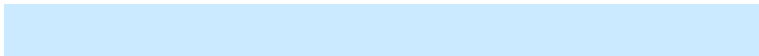
80.8085, 0.2764, 0.3455

# Triad

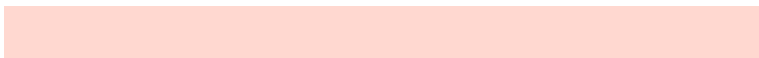
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8085, 0.3032, 0.3706



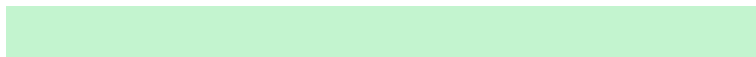
80.8085, 0.2672, 0.2805



80.8085, 0.3689, 0.3371

# Complementary

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



80.8085, 0.3032, 0.3706



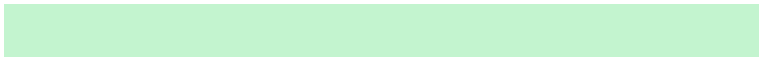
64.0838, 0.3239, 0.2907

# 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.



80.8085, 0.3494, 0.3123



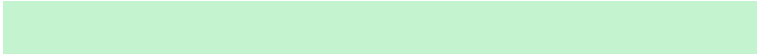
80.8085, 0.3032, 0.3706



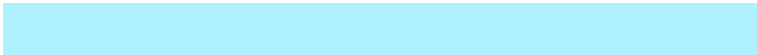
80.8085, 0.2901, 0.2805

# Square

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



80.8085, 0.3032, 0.3706



80.8085, 0.2563, 0.2931



80.8085, 0.3202, 0.2920

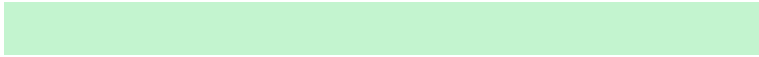


80.8085, 0.3724, 0.3613



# Rectangle

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



80.8085, 0.3032, 0.3706



80.8085, 0.2638, 0.3260



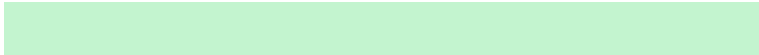
80.8085, 0.3202, 0.2920



80.8085, 0.3640, 0.3286

# Sweetspot

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



80.8119, 0.3032, 0.3706



96.4907, 0.3099, 0.3404



85.8995, 0.3351, 0.3805



20.5747, 0.3096, 0.3417



0.0000, 0.0000, 0.0000

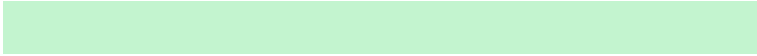


21.4041, 0.3127, 0.3290

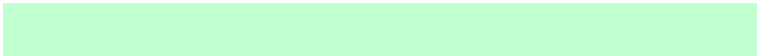


# Same Dimension

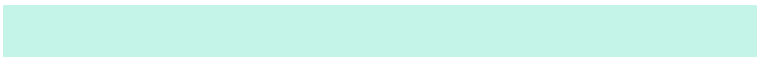
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8119, 0.3032, 0.3706



87.5550, 0.3014, 0.3800



82.0741, 0.2897, 0.3433



18.5385, 0.3082, 0.3474



35.3747, 0.2922, 0.5718



3.1247, 0.2857, 0.5484



# Inverse Universe

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



64.0838, 0.3239, 0.2907



66.0476, 0.3265, 0.2829



62.8134, 0.3423, 0.3152



16.6949, 0.3175, 0.3113



12.3695, 0.3944, 0.1946

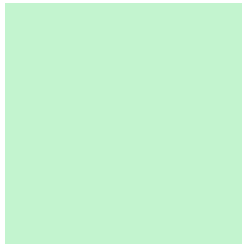


1.1033, 0.3832, 0.1885



# Previews

## White Background



This preview shows how the Yxy color 80.8085, 0.3032, 0.3706 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 80.8085, 0.3032, 0.3706 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

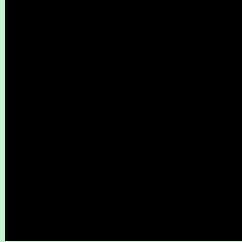
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

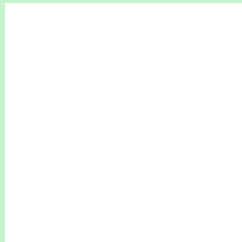
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.8085, 0.3032, 0.3706**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.8085, 0.3032, 0.3706.

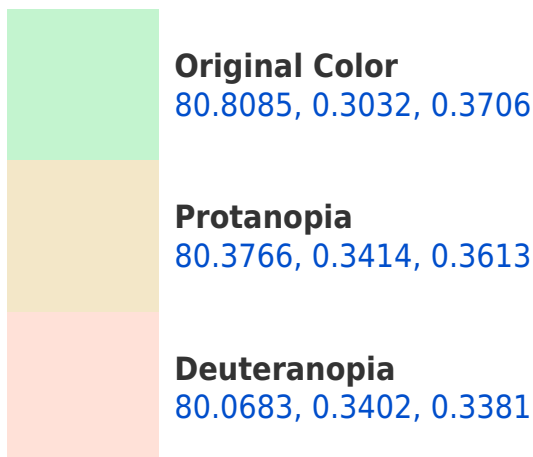


This preview shows how white text looks on a background with the Yxy color 80.8085, 0.3032, 0.3706.

# 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

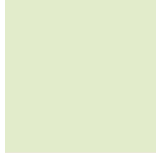
80.7675, 0.2821, 0.3099

# Trichromacy



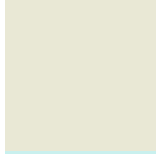
## Original Color

80.8085, 0.3032, 0.3706



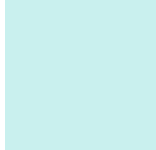
## Protanomaly

80.4715, 0.3267, 0.3644



## Deuteranomaly

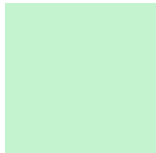
79.8410, 0.3256, 0.3490



## Tritanomaly

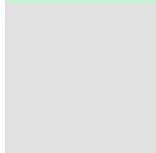
80.9107, 0.2892, 0.3311

# Monochromacy



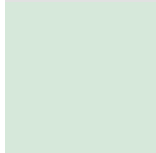
## Original Color

80.8085, 0.3032, 0.3706



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

77.0713, 0.3093, 0.3443

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.8085, 0.3032, 0.3706 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(195, 244, 207)` looks like.

```
.text, #text, p{  
    color:rgb(195, 244, 207)  
}
```

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(195, 244, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 244, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 80.8085, 0.3032, 0.3706 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(195, 244, 207) }
```

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

```
.border{ border-color:rgb(195, 244, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 244, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 244, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 244, 207);  
box-shadow:4px 4px 4px 4px rgb(195, 244,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.8085, 0.3032, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 244, 207) }
```

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

```
.background{ background-color: rgb(195,  
244, 207) }
```

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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