

# Converting Colors

Yxy(83.1848, 0.2984, 0.3568)

Have a look what the booklet for  
Yxy(83.1848, 0.2984, 0.3568)  
contains.

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# Color

**Yxy(83.3582, 0.2989, 0.3575)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8F6DC
RGB	200, 246, 220
RGB Percent	78%, 96%, 86%
CMY	0.2156, 0.0353, 0.1373
CMYK	0.19, 0.00, 0.11, 0.04
HSL	146°, 72%, 87%
HSV	146°, 19%, 96%
XYZ	69.6945, 83.3582, 80.1171
YIQ	229.2820, -19.0700, -17.8380

# Conversions

## Conversions Part 2

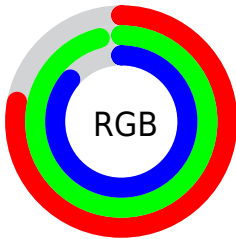
Format	Color
<a href="#">RYB</a>	<a href="#">200, 232, 246</a>
Decimal	<a href="#">13170396</a>
CIELab	<a href="#">93.17, -19.69, 7.67</a>
CIElCh	<a href="#">93, 21.130, 158.724</a>
Yxy	<a href="#">83.3582, 0.2989, 0.3575</a>
Android (android.graphics.Color)	<a href="#">4291360476 (0xFFC8F6DC)</a>
YUV	<a href="#">229.2820, -4.5760, -25.6803</a>
Hunter-Lab	<a href="#">91.3007, -23.5182, 11.8830</a>

# Details

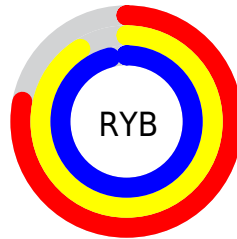
The Yxy color **83.3582, 0.2989, 0.3575** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.4012, 0.3294, 0.3021**, and the grayscale version is **78.6210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5633, 0.2953, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **79.5354, 0.2920, 0.3753**, and if you desaturate by 10%, it is **87.7944, 0.3062, 0.3415**.

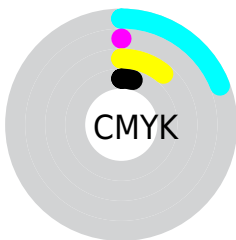
# Distribution



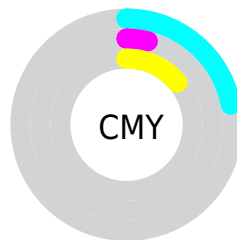
- Red (78%)
- Green (96%)
- Blue (86%)



- Red (78%)
- Yellow (91%)
- Blue (96%)



- Cyan (19%)
- Magenta (0%)
- Yellow (11%)
- Black (4%)




- Cyan (22%)
- Magenta (4%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3582, 0.2989, 0.3575 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 83.3582, 0.2989, 0.3575 by changing the saturation by 10% instead.




 83.3582, 0.2989,  
0.3575

 83.3582, 0.2989,  
0.3575


506.1795, 0.3053,  
0.3443

 62.4857, 0.2974,  
0.3605


138.0770, 0.3011,  
0.3529

 45.4253, 0.2956,  
0.3642


172.6922, 0.3020,  
0.3512

 31.7925, 0.2934,  
0.3689


212.6569, 0.3027,  
0.3496

 21.2031, 0.2904,  
0.3750

258.3558, 0.3034,  
0.3483

 13.2725, 0.2864,  
0.3834

310.1730, 0.3039,  
0.3471

 7.6165, 0.2805,  
0.3955

368.4932, 0.3044,

 3.8505, 0.2715,

0.3461

0.4143

433.7005, 0.3049,  
0.3452

■ 1.5903, 0.2553,  
0.4478

■ 0.3511, 0.0000,  
1.0000

■ 83.3582, 0.2989,  
0.3575

■ 83.3582, 0.2989,  
0.3575

■ 79.5354, 0.2920,  
0.3753

■ 87.7944, 0.3062,  
0.3415

■ 76.2879, 0.2857,  
0.3947


■ 92.8591, 0.3137,  
0.3272

■ 73.5896, 0.2804,  
0.4156


■ 94.3937, 0.3131,  
0.3204


■ 71.4080, 0.2765,  
0.4375

 69.7072, 0.2742,  
0.4599

 68.4464, 0.2738,  
0.4822

 67.5774, 0.2754,  
0.5034

 67.0313, 0.2788,  
0.5229

 66.9720, 0.2793,  
0.5253

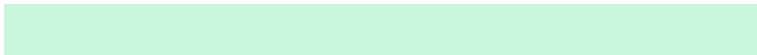
# Harmonies

## Analogous

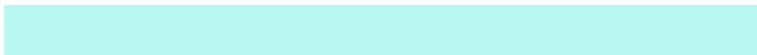
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3582, 0.3232, 0.3704



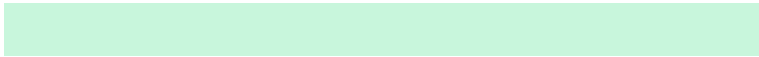
83.3582, 0.2989, 0.3575



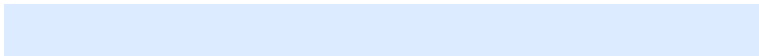
83.3582, 0.2788, 0.3362

# Triad

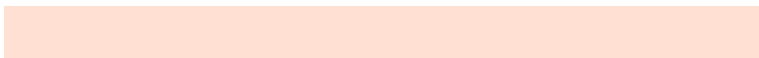
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3582, 0.2989, 0.3575



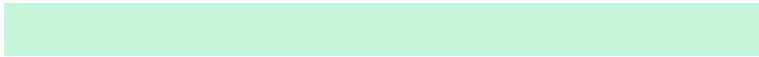
83.3582, 0.2801, 0.2888



83.3582, 0.3598, 0.3414

# Complementary

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



83.3582, 0.2989, 0.3575



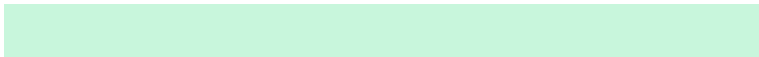
66.4012, 0.3294, 0.3021

# 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.



83.3582, 0.3474, 0.3208



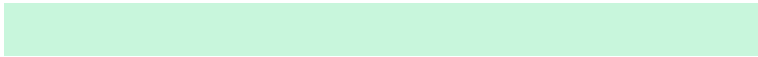
83.3582, 0.2989, 0.3575



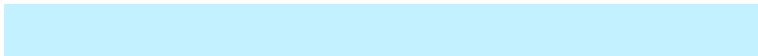
83.3582, 0.3008, 0.2912

# Square

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



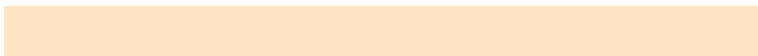
83.3582, 0.2989, 0.3575



83.3582, 0.2683, 0.2965



83.3582, 0.3255, 0.3028

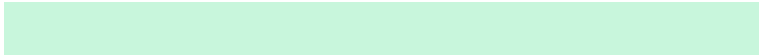


83.3582, 0.3590, 0.3598



# Rectangle

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



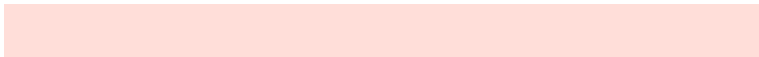
83.3582, 0.2989, 0.3575



83.3582, 0.2703, 0.3208



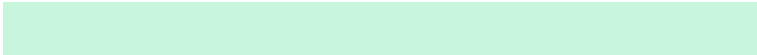
83.3582, 0.3255, 0.3028



83.3582, 0.3570, 0.3345

# Sweetspot

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



83.3617, 0.2989, 0.3575



96.6678, 0.3082, 0.3375



86.2653, 0.3274, 0.3777



20.6165, 0.3077, 0.3385



0.0000, 0.0000, 0.0000

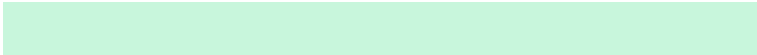


21.4041, 0.3127, 0.3290

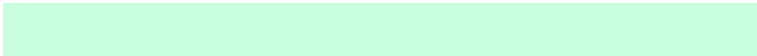


# Same Dimension

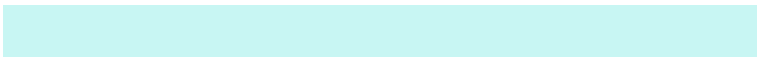
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3617, 0.2989, 0.3575



88.9905, 0.2965, 0.3633



84.6623, 0.2862, 0.3322



18.5916, 0.3056, 0.3427



35.7729, 0.2784, 0.5223



3.1643, 0.2716, 0.4977



# Inverse Universe

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



66.4012, 0.3294, 0.3021



67.8097, 0.3330, 0.2971



65.2242, 0.3470, 0.3259



16.6396, 0.3205, 0.3157



11.4840, 0.4683, 0.2354

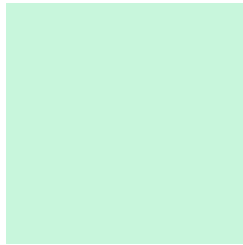


1.0299, 0.4447, 0.2224



# Previews

## White Background



This preview shows how the Yxy color 83.3582, 0.2989, 0.3575 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 83.3582, 0.2989, 0.3575 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

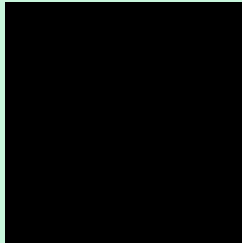
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

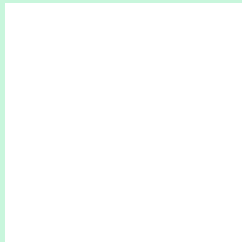
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.3582, 0.2989, 0.3575**

## Background



This preview shows how black text looks on a background with the Yxy color 83.3582, 0.2989, 0.3575.

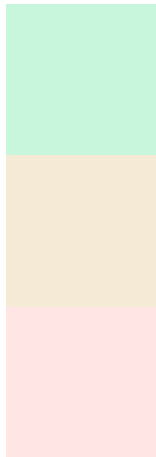


This preview shows how white text looks on a background with the Yxy color 83.3582, 0.2989, 0.3575.

# 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

83.3582, 0.2989, 0.3575

### Protanopia

82.9338, 0.3324, 0.3495

### Deuteranopia

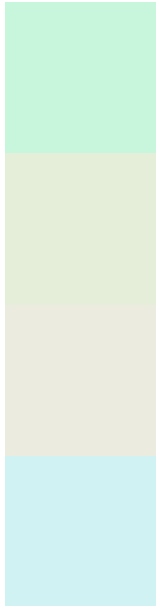
82.8447, 0.3322, 0.3310



## Tritanopia

83.0991, 0.2870, 0.3123

# Trichromacy



**Original Color**

83.3582, 0.2989, 0.3575

**Protanomaly**

82.6009, 0.3196, 0.3522

**Deuteranomaly**

82.4606, 0.3196, 0.3404

**Tritanomaly**

83.3250, 0.2913, 0.3289

# Monochromacy



**Original Color**

83.3582, 0.2989, 0.3575

**Achromatopsia**

78.3538, 0.3127, 0.3290

**Achromatomaly**

79.8131, 0.3069, 0.3386

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.3582, 0.2989, 0.3575 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(200, 246, 220)` looks like.

```
.text, #text, p{  
    color:rgb(200, 246, 220)  
}
```

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(200, 246, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 246, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 83.3582, 0.2989, 0.3575 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(200, 246, 220) }
```

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

```
.border{ border-color:rgb(200, 246, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 246, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 246, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 246, 220);  
box-shadow:4px 4px 4px 4px rgb(200, 246,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.3582, 0.2989, 0.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 246, 220) }
```

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

```
.background{ background-color: rgb(200,  
246, 220) }
```

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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