

# Converting Colors

$Yxy(85.1172, 0.2965, 0.3599)$

Have a look what the booklet for  
Yxy(85.1172, 0.2965, 0.3599)  
contains.

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# Color

**Yxy(84.8421, 0.2965, 0.3597)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5F9DD
RGB	197, 249, 221
RGB Percent	77%, 98%, 87%
CMY	0.2278, 0.0234, 0.1334
CMYK	0.21, 0.00, 0.11, 0.02
HSL	148°, 81%, 87%
HSV	148°, 21%, 98%
XYZ	69.9352, 84.8421, 81.0918
YIQ	230.2600, -22.0040, -19.7320

# Conversions

## Conversions Part 2

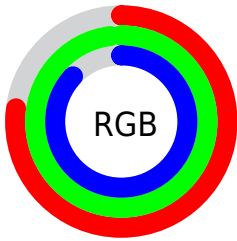
Format	Color
<a href="#">RYB</a>	<a href="#">197, 233, 249</a>
Decimal	<a href="#">12974557</a>
CIELab	<a href="#">93.82, -21.95, 8.05</a>
CIELCh	<a href="#">94, 23.376, 159.861</a>
Yxy	<a href="#">84.8421, 0.2965, 0.3597</a>
Android (android.graphics.Color)	<a href="#">4291164637 (0xFFC5F9DD)</a>
YUV	<a href="#">230.2600, -4.5652, -29.1690</a>
Hunter-Lab	<a href="#">92.1098, -25.6644, 12.2790</a>

# Details

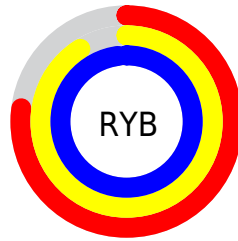
The Yxy color **84.8421, 0.2965, 0.3597** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.4716, 0.3329, 0.3002**, and the grayscale version is **79.3701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **46.2032, 0.2924, 0.3663** is the 20% darker color. If you saturate the color by 10%, you get **81.0731, 0.2893, 0.3769**, and if you desaturate by 10%, it is **89.2304, 0.3041, 0.3441**.

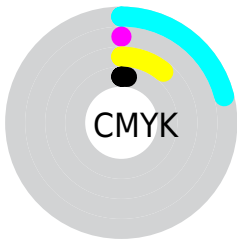
# Distribution



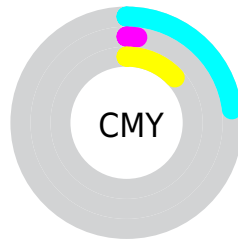
- Red (77%)
- Green (98%)
- Blue (87%)



- Red (77%)
- Yellow (91%)
- Blue (98%)



- Cyan (21%)
- Magenta (0%)
- Yellow (11%)
- Black (2%)



- Cyan (23%)
- Magenta (2%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8421, 0.2965, 0.3597 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 84.8421, 0.2965, 0.3597 by changing the saturation by 10% instead.



84.8421, 0.2965,  
0.3597

84.8421, 0.2965,  
0.3597

511.1054, 0.3040,  
0.3456

63.7109, 0.2948,  
0.3629

140.1525, 0.2991,  
0.3548

46.4166, 0.2927,  
0.3669

175.1006, 0.3001,  
0.3529

32.5747, 0.2901,  
0.3719

215.4231, 0.3010,  
0.3512

21.8008, 0.2866,  
0.3785

261.5043, 0.3017,  
0.3498

13.7106, 0.2820,  
0.3874

313.7288, 0.3024,  
0.3486

7.9197, 0.2753,  
0.4003

372.4809, 0.3030,

4.0436, 0.2650,

0.3474

438.1450, 0.3035,  
0.3464

0.4203

1.6980, 0.2469,  
0.4555

0.4223, 0.0000,  
1.0000

84.8421, 0.2965,  
0.3597

84.8421, 0.2965,  
0.3597

81.0731, 0.2893,  
0.3769

89.2304, 0.3041,  
0.3441

77.8841, 0.2830,  
0.3957

94.2539, 0.3120,  
0.3302

75.2477, 0.2777,  
0.4157

96.2466, 0.3130,  
0.3233

73.1301, 0.2739,  
0.4367

■ 71.4936, 0.2718,  
0.4581

■ 70.2948, 0.2718,  
0.4793

■ 69.4823, 0.2737,  
0.4995

■ 69.0061, 0.2768,  
0.5165

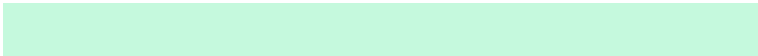
# Harmonies

## Analogous

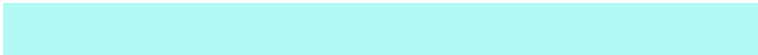
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8421, 0.3232, 0.3744



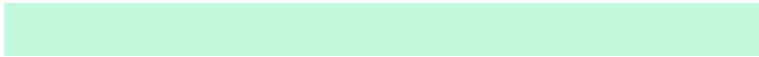
84.8421, 0.2965, 0.3597



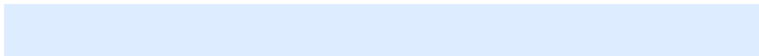
84.8421, 0.2748, 0.3358

# Triad

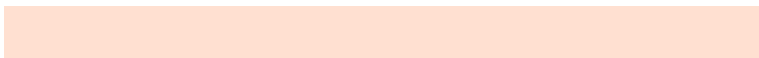
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8421, 0.2965, 0.3597



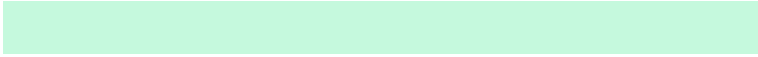
84.8421, 0.2776, 0.2848



84.8421, 0.3648, 0.3433

# Complementary

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



84.8421, 0.2965, 0.3597



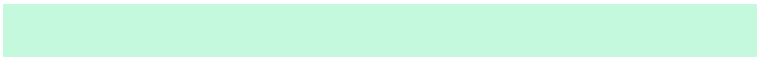
65.4716, 0.3329, 0.3002

# 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.



84.8421, 0.3516, 0.3208



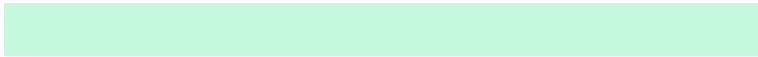
84.8421, 0.2965, 0.3597



84.8421, 0.3006, 0.2880

# Square

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



84.8421, 0.2965, 0.3597



84.8421, 0.2643, 0.2928



84.8421, 0.3277, 0.3010

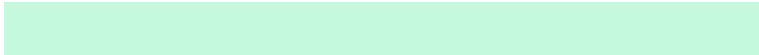


84.8421, 0.3633, 0.3633



# Rectangle

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



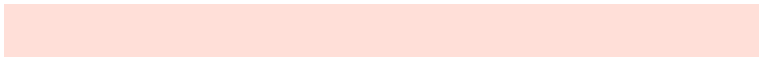
84.8421, 0.2965, 0.3597



84.8421, 0.2658, 0.3189



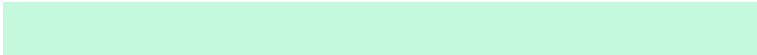
84.8421, 0.3277, 0.3010



84.8421, 0.3620, 0.3358

# Sweetspot

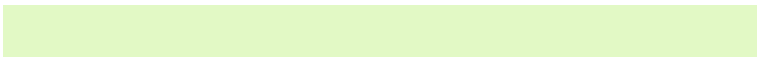
The Sweet Spot groups the original color and five complimentary colors.



84.8456, 0.2965, 0.3597



96.6940, 0.3080, 0.3371



87.8941, 0.3285, 0.3841



20.6227, 0.3075, 0.3380



0.0000, 0.0000, 0.0000

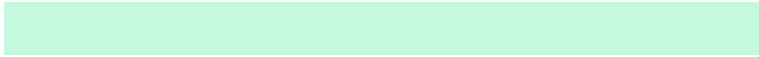


21.4041, 0.3127, 0.3290

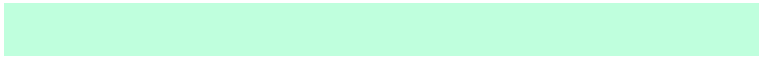


# Same Dimension

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



84.8456, 0.2965, 0.3597



87.8337, 0.2935, 0.3666



86.3051, 0.2828, 0.3317



19.4427, 0.3052, 0.3420



36.9576, 0.2760, 0.5136



3.4441, 0.2697, 0.4908



# Inverse Universe

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



65.4716, 0.3329, 0.3002



64.0966, 0.3379, 0.2943



64.1861, 0.3529, 0.3264



17.3814, 0.3209, 0.3163



11.7300, 0.4802, 0.2419

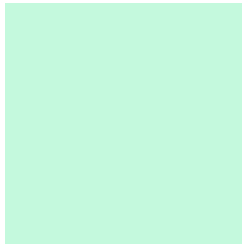


1.1078, 0.4559, 0.2285



# Previews

## White Background



This preview shows how the Yxy color 84.8421, 0.2965, 0.3597 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

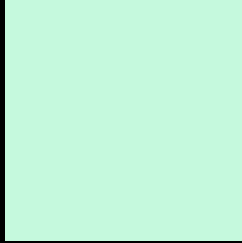
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.8421, 0.2965, 0.3597 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

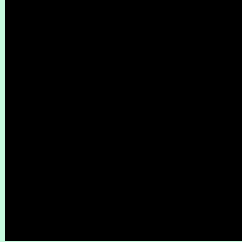
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

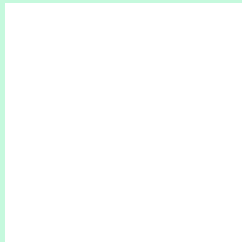
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.8421, 0.2965, 0.3597**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.8421, 0.2965, 0.3597.

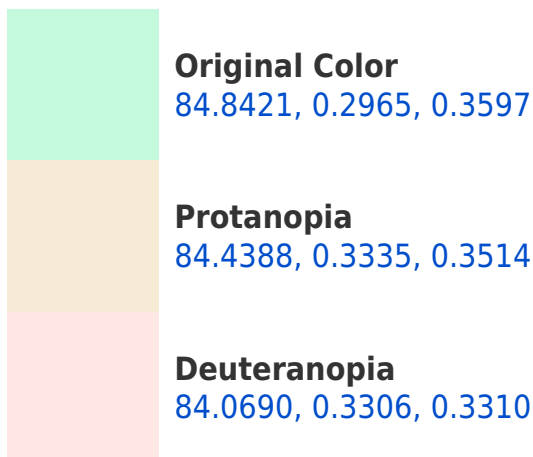


This preview shows how white text looks on a background with the Yxy color 84.8421, 0.2965, 0.3597.

# 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

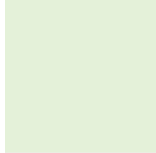
84.5777, 0.2883, 0.3145

# Trichromacy



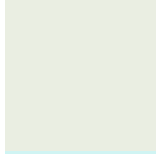
## Original Color

84.8421, 0.2965, 0.3597



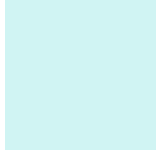
## Protanomaly

84.4143, 0.3188, 0.3542



## Deuteranomaly

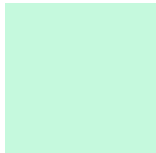
84.1325, 0.3175, 0.3414



## Tritanomaly

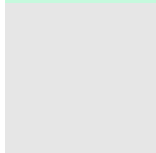
84.5823, 0.2908, 0.3300

# Monochromacy



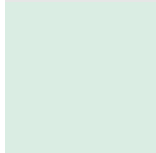
## Original Color

84.8421, 0.2965, 0.3597



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

81.0199, 0.3063, 0.3396

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.8421, 0.2965, 0.3597 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(197, 249, 221)` looks like.

```
.text, #text, p{  
    color:rgb(197, 249, 221)  
}
```

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(197, 249, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 249, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8421, 0.2965, 0.3597 is called "border". The border property can be set on classes, ids or directly on the HTML element.

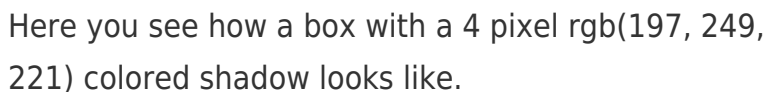
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 249, 221) }
```

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

```
.border{ border-color:rgb(197, 249, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 249, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 249, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 249, 221); box-shadow:4px 4px 4px 4px rgb(197, 249, 221) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8421, 0.2965, 0.3597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 249, 221) }
```

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

```
.background{ background-color: rgb(197,  
249, 221) }
```

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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