

# Converting Colors

$Yxy(86.9274, 0.2944, 0.3583)$

Have a look what the booklet for  
Yxy(86.9274, 0.2944, 0.3583)  
contains.

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# Color

**Yxy(86.9274, 0.2944, 0.3583)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5FCE1
RGB	197, 252, 225
RGB Percent	77%, 99%, 88%
CMY	0.2275, 0.0117, 0.1176
CMYK	0.22, 0.00, 0.11, 0.01
HSL	151°, 90%, 88%
HSV	151°, 22%, 99%
XYZ	71.4246, 86.9274, 84.2587
YIQ	232.4770, -24.1130, -20.0570

# Conversions

## Conversions Part 2

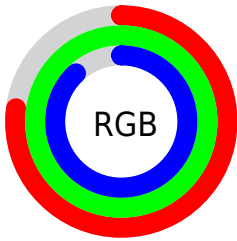
Format	Color
<b>RYB</b>	197, 233, 252
Decimal	12975329
CIELab	94.71, -22.61, 7.26
CIELCh	95, 23.747, 162.206
Yxy	86.9274, 0.2944, 0.3583
Android (android.graphics.Color)	4291165409 (0xFFC5FCE1)
YUV	232.4770, -3.6862, -31.1133
Hunter-Lab	93.2349, -26.4172, 11.6825

# Details

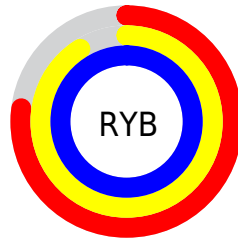
The Yxy color **86.9274, 0.2944, 0.3583** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.0015, 0.3360, 0.3015**, and the grayscale version is **81.1140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **47.6833, 0.2899, 0.3644** is the 20% darker color. If you saturate the color by 10%, you get **83.1585, 0.2867, 0.3741**, and if you desaturate by 10%, it is **91.3210, 0.3026, 0.3440**.

# Distribution



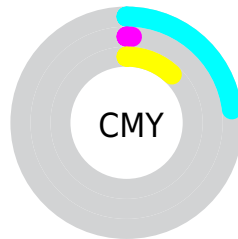
- Red (77%)
- Green (99%)
- Blue (88%)



- Red (77%)
- Yellow (91%)
- Blue (99%)



- Cyan (22%)
- Magenta (0%)
- Yellow (11%)
- Black (1%)



- Cyan (23%)
- Magenta (1%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.9274, 0.2944, 0.3583 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 86.9274, 0.2944, 0.3583 by changing the saturation by 10% instead.




 86.9274, 0.2944,  
0.3583

 86.9274, 0.2944,  
0.3583


517.9843, 0.3028,  
0.3449

 65.4351, 0.2925,  
0.3613

143.0629, 0.2973,  
0.3537

 47.8140, 0.2902,  
0.3651


178.4750, 0.2984,  
0.3519

 33.6796, 0.2873,  
0.3698


219.2958, 0.2994,  
0.3503

 22.6476, 0.2835,  
0.3759

265.9097, 0.3002,  
0.3489

 14.3335, 0.2785,  
0.3843

318.7011, 0.3010,  
0.3477

 8.3530, 0.2713,  
0.3961

378.0544, 0.3016,

 4.3216, 0.2604,

0.3467

0.4144

444.3540, 0.3022,  
0.3457

■ 1.8551, 0.2417,  
0.4461

■ 0.5211, 0.0000,  
0.8966

■ 86.9274, 0.2944,  
0.3583

■ 86.9274, 0.2944,  
0.3583

■ 83.1585, 0.2867,  
0.3741

■ 91.3210, 0.3026,  
0.3440


■ 79.9742, 0.2799,  
0.3912


■ 96.3558, 0.3111,  
0.3312

■ 77.3463, 0.2743,  
0.4094


■ 98.1061, 0.3128,  
0.3262

■ 75.2401, 0.2703,  
0.4286

 73.6166, 0.2681,  
0.4481

 72.4311, 0.2679,  
0.4675

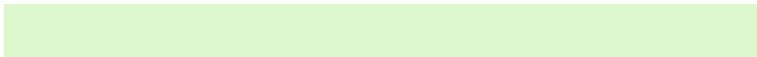
 71.6300, 0.2697,  
0.4862

 71.1949, 0.2724,  
0.5007

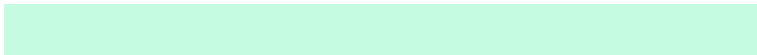
# Harmonies

## Analogous

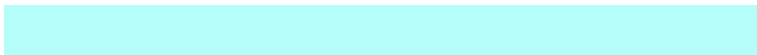
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9274, 0.3211, 0.3741



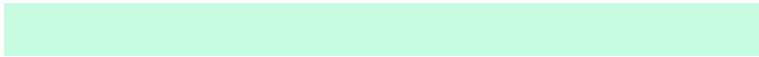
86.9274, 0.2944, 0.3583



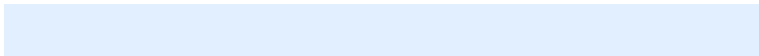
86.9274, 0.2732, 0.3338

# Triad

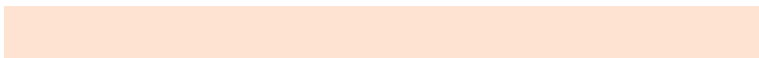
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9274, 0.2944, 0.3583



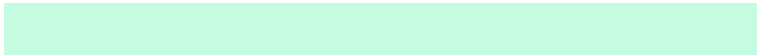
86.9274, 0.2789, 0.2843



86.9274, 0.3657, 0.3451

# Complementary

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



86.9274, 0.2944, 0.3583



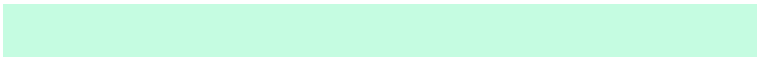
66.0015, 0.3360, 0.3015

# 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.



86.9274, 0.3534, 0.3225



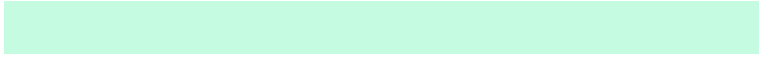
86.9274, 0.2944, 0.3583



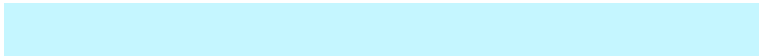
86.9274, 0.3025, 0.2884

# Square

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



86.9274, 0.2944, 0.3583



86.9274, 0.2646, 0.2914



86.9274, 0.3299, 0.3021

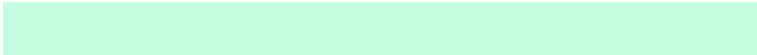


86.9274, 0.3629, 0.3649



# Rectangle

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



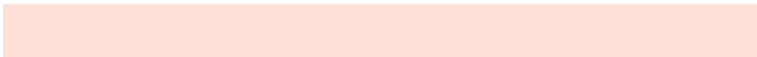
86.9274, 0.2944, 0.3583



86.9274, 0.2647, 0.3169



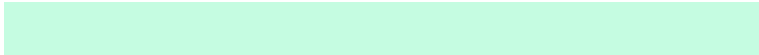
86.9274, 0.3299, 0.3021



86.9274, 0.3632, 0.3376

# Sweetspot

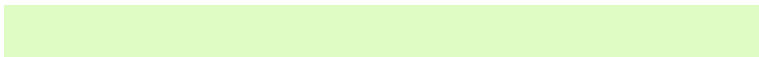
The Sweet Spot groups the original color and five complimentary colors.



86.9310, 0.2944, 0.3583



96.2192, 0.3067, 0.3376



89.5829, 0.3274, 0.3870



20.5284, 0.3062, 0.3384



0.0000, 0.0000, 0.0000

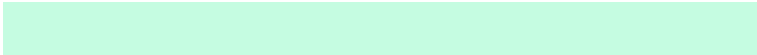


21.4041, 0.3127, 0.3290

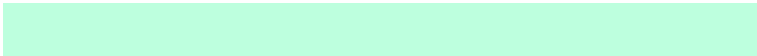


# Same Dimension

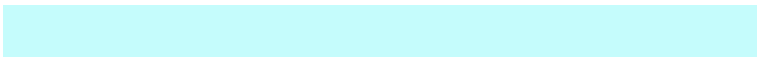
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9310, 0.2944, 0.3583



87.6001, 0.2911, 0.3647



88.5227, 0.2802, 0.3289



19.4569, 0.3046, 0.3409



37.1133, 0.2716, 0.4978



3.4588, 0.2656, 0.4762



# Inverse Universe

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



66.0015, 0.3360, 0.3015



62.7585, 0.3417, 0.2959



64.6515, 0.3573, 0.3291



17.3672, 0.3217, 0.3174



11.5631, 0.5003, 0.2530

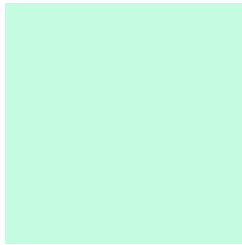


1.0923, 0.4731, 0.2380



# Previews

## White Background



This preview shows how the Yxy color 86.9274, 0.2944, 0.3583 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

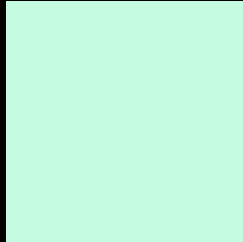
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.9274, 0.2944, 0.3583 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

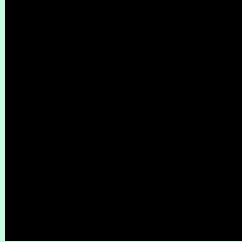
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

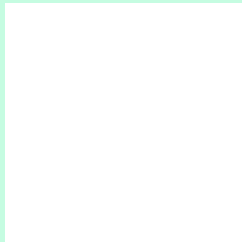
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.9274, 0.2944, 0.3583**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.9274, 0.2944, 0.3583.

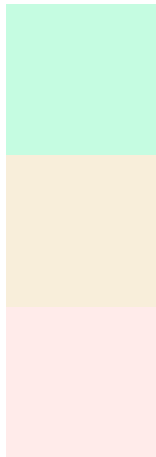


This preview shows how white text looks on a background with the Yxy color 86.9274, 0.2944, 0.3583.

# 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

86.9274, 0.2944, 0.3583

### Protanopia

86.1675, 0.3321, 0.3492

### Deuteranopia

86.6172, 0.3269, 0.3300



## Tritanopia

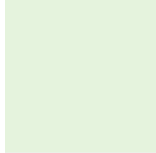
86.5368, 0.2913, 0.3167

# Trichromacy



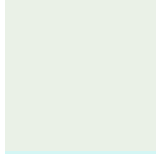
## Original Color

86.9274, 0.2944, 0.3583



## Protanomaly

85.9797, 0.3169, 0.3519



## Deuteranomaly

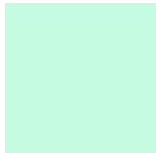
86.1725, 0.3142, 0.3392



## Tritanomaly

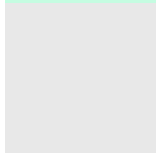
86.4402, 0.2927, 0.3310

# Monochromacy



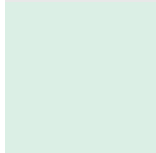
## Original Color

86.9274, 0.2944, 0.3583



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.4502, 0.3057, 0.3396

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.9274, 0.2944, 0.3583 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, 252, 225)` looks like.

```
.text, #text, p{  
    color:rgb(197, 252, 225)  
}
```

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, 252, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 252, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 86.9274, 0.2944, 0.3583 is called "border". The border property can be set on classes, ids or directly on the HTML element.

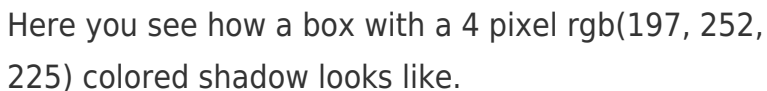
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 252, 225) }
```

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

```
.border{ border-color:rgb(197, 252, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 252, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 252, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 252, 225); box-shadow:4px 4px 4px 4px rgb(197, 252, 225) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.9274, 0.2944, 0.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 252, 225) }
```

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

```
.background{ background-color: rgb(197,  
252, 225) }
```

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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