

# Converting Colors

$Yxy(85.5290, 0.2890, 0.3516)$

Have a look what the booklet for  
Yxy(85.5290, 0.2890, 0.3516)  
contains.

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# Color

**Yxy(85.2909, 0.2888, 0.3508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0FAE6
RGB	192, 250, 230
RGB Percent	75%, 98%, 90%
CMY	0.2468, 0.0196, 0.0980
CMYK	0.23, 0.00, 0.08, 0.02
HSL	159°, 85%, 87%
HSV	159°, 23%, 98%
XYZ	70.2167, 85.2909, 87.6250
YIQ	230.3780, -28.1480, -18.5160

# Conversions

## Conversions Part 2

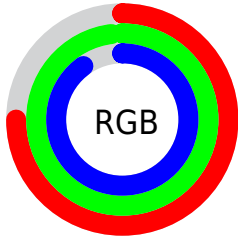
Format	Color
<a href="#">RYB</a>	<a href="#">192, 227, 250</a>
Decimal	<a href="#">12647142</a>
CIELab	<a href="#">94.01, -22.17, 3.64</a>
CIElCh	<a href="#">94, 22.471, 170.682</a>
Yxy	<a href="#">85.2909, 0.2888, 0.3508</a>
Android (android.graphics.Color)	<a href="#">4290837222</a> ( <a href="#">0xFFC0FAE6</a> )
YUV	<a href="#">230.3780, -0.1864, -33.6575</a>
Hunter-Lab	<a href="#">92.3531, -25.9031, 8.3926</a>

# Details

The Yxy color **85.2909, 0.2888, 0.3508** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.8021, 0.3445, 0.3083**, and the grayscale version is **79.4517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **46.5534, 0.2828, 0.3547** is the 20% darker color. If you saturate the color by 10%, you get **81.8296, 0.2796, 0.3618**, and if you desaturate by 10%, it is **89.3376, 0.2988, 0.3408**.

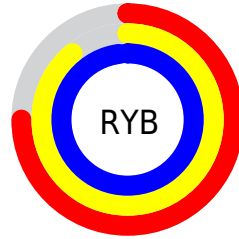
# Distribution



Red (75%)

Green (98%)

Blue (90%)



Red (75%)

Yellow (89%)

Blue (98%)

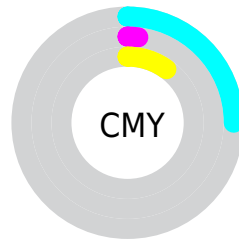


Cyan (23%)

Magenta (0%)

Yellow (8%)

Black (2%)



Cyan (25%)

Magenta (2%)


Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.2909, 0.2888, 0.3508 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 85.2909, 0.2888, 0.3508 by changing the saturation by 10% instead.




 85.2909, 0.2888,  
0.3508

 85.2909, 0.2888,  
0.3508


512.5901, 0.2996,  
0.3409

 64.0818, 0.2864,  
0.3530


 140.7795, 0.2925,  
0.3474

 46.7169, 0.2834,  
0.3558


175.8278, 0.2940,  
0.3460

 32.8119, 0.2797,  
0.3592


216.2580, 0.2952,  
0.3449

 21.9824, 0.2750,  
0.3637

262.4543, 0.2963,  
0.3439

 13.8440, 0.2686,  
0.3698

314.8014, 0.2973,  
0.3430

 8.0122, 0.2597,  
0.3784

373.6834, 0.2982,

 4.1028, 0.2462,

0.3422

0.3915

439.4849, 0.2989,  
0.3415

1.7312, 0.2238,  
0.4140

0.4437, 0.0000,  
0.6598

85.2909, 0.2888,  
0.3508

85.2909, 0.2888,  
0.3508

81.8296, 0.2796,  
0.3618

89.3376, 0.2988,  
0.3408

78.9147, 0.2714,  
0.3736

93.9854, 0.3093,  
0.3317

76.5189, 0.2646,  
0.3861

96.8475, 0.3129,  
0.3242

74.6085, 0.2596,  
0.3992

■ 73.1452, 0.2564,  
0.4126

■ 72.0852, 0.2554,  
0.4261

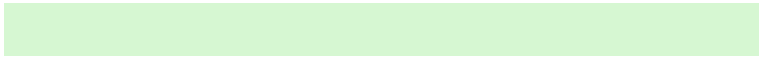
■ 71.3751, 0.2563,  
0.4394

■ 71.0382, 0.2579,  
0.4483

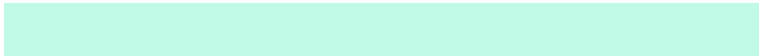
# Harmonies

## Analogous

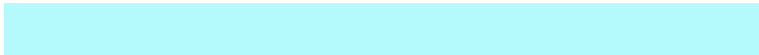
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2909, 0.3134, 0.3688



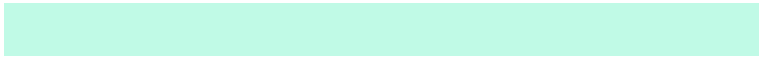
85.2909, 0.2888, 0.3508



85.2909, 0.2710, 0.3267

# Triad

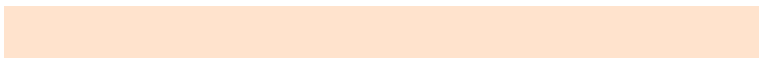
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.2909, 0.2888, 0.3508



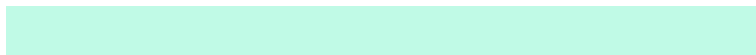
85.2909, 0.2861, 0.2864



85.2909, 0.3638, 0.3503

# Complementary

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



85.2909, 0.2888, 0.3508



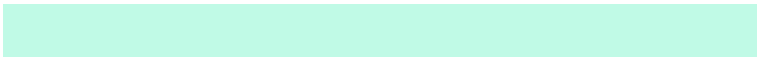
62.8021, 0.3445, 0.3083

# 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.



85.2909, 0.3561, 0.3289



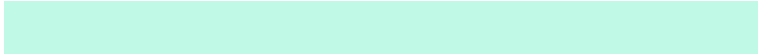
85.2909, 0.2888, 0.3508



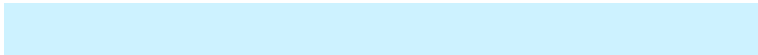
85.2909, 0.3104, 0.2931

# Square

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



85.2909, 0.2888, 0.3508



85.2909, 0.2695, 0.2902



85.2909, 0.3362, 0.3084

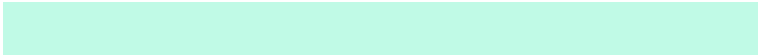


85.2909, 0.3572, 0.3673



# Rectangle

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



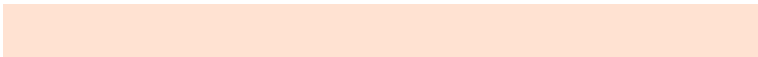
85.2909, 0.2888, 0.3508



85.2909, 0.2651, 0.3113



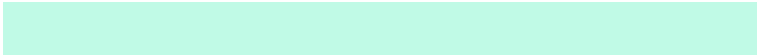
85.2909, 0.3362, 0.3084



85.2909, 0.3628, 0.3434

# Sweetspot

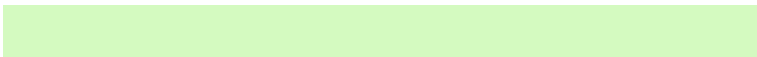
The Sweet Spot groups the original color and five complimentary colors.



85.2944, 0.2888, 0.3508



96.3800, 0.3053, 0.3351



86.2224, 0.3225, 0.3920



20.5657, 0.3046, 0.3356



0.0000, 0.0000, 0.0000

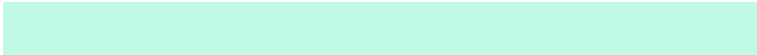


21.4041, 0.3127, 0.3290

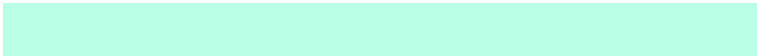


# Same Dimension

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



85.2944, 0.2888, 0.3508



87.3946, 0.2842, 0.3560



81.2056, 0.2776, 0.3195



19.5009, 0.3026, 0.3373



37.7111, 0.2573, 0.4462



3.5126, 0.2529, 0.4304



# Inverse Universe

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



62.8021, 0.3445, 0.3083



59.9408, 0.3532, 0.3037



65.7859, 0.3588, 0.3383



17.3241, 0.3239, 0.3208



11.1634, 0.5600, 0.2859

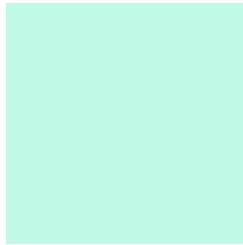


1.0530, 0.5268, 0.2676



# Previews

## White Background



This preview shows how the Yxy color 85.2909, 0.2888, 0.3508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

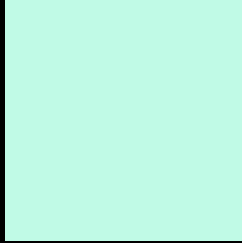
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.2909, 0.2888, 0.3508 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

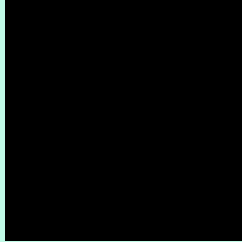
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

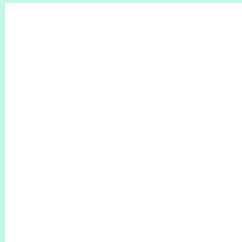
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.2909, 0.2888, 0.3508**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.2909, 0.2888, 0.3508.

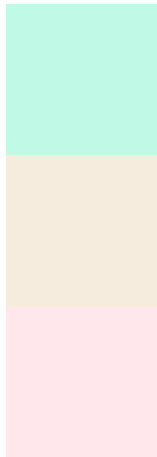


This preview shows how white text looks on a background with the Yxy color 85.2909, 0.2888, 0.3508.

# 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

85.2909, 0.2888, 0.3508

### Protanopia

84.6773, 0.3277, 0.3432

### Deuteranopia

84.4100, 0.3266, 0.3251



## Tritanopia

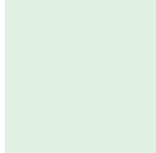
85.0204, 0.2877, 0.3155

# Trichromacy



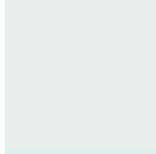
## Original Color

85.2909, 0.2888, 0.3508



## Protanomaly

84.5156, 0.3126, 0.3457



## Deuteranomaly

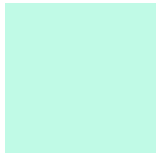
84.1881, 0.3118, 0.3341



## Tritanomaly

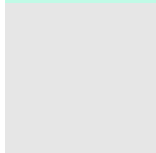
85.0804, 0.2880, 0.3279

# Monochromacy



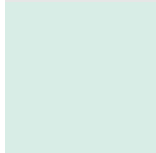
## Original Color

85.2909, 0.2888, 0.3508



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

80.8805, 0.3032, 0.3364

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.2909, 0.2888, 0.3508 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(192, 250, 230)` looks like.

```
.text, #text, p{  
    color:rgb(192, 250, 230)  
}
```

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(192, 250, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 250, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 85.2909, 0.2888, 0.3508 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(192, 250, 230) }
```

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

```
.border{ border-color:rgb(192, 250, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 250, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 250, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 250, 230);  
box-shadow:4px 4px 4px 4px rgb(192, 250,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.2909, 0.2888, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 250, 230) }
```

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

```
.background{ background-color: rgb(192,  
250, 230) }
```

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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