

# Converting Colors

$Yxy(85.8525, 0.2986, 0.3595)$

Have a look what the booklet for  
Yxy(85.8525, 0.2986, 0.3595)  
contains.

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# Color

**Yxy(86.0626, 0.2984, 0.3594)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9FADE
RGB	201, 250, 222
RGB Percent	79%, 98%, 87%
CMY	0.2118, 0.0196, 0.1295
CMYK	0.20, 0.00, 0.11, 0.02
HSL	146°, 83%, 88%
HSV	146°, 20%, 98%
XYZ	71.4554, 86.0626, 81.9439
YIQ	232.1570, -20.2160, -19.0960

# Conversions

## Conversions Part 2

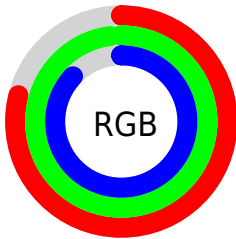
Format	Color
<a href="#">RYB</a>	<a href="#">201, 235, 250</a>
Decimal	<a href="#">13236958</a>
CIELab	<a href="#">94.34, -20.96, 8.32</a>
CIElCh	<a href="#">94, 22.549, 158.350</a>
Yxy	<a href="#">86.0626, 0.2984, 0.3594</a>
Android (android.graphics.Color)	<a href="#">4291427038</a> ( <a href="#">0xFFC9FADE</a> )
YUV	<a href="#">232.1570, -5.0074, -27.3247</a>
Hunter-Lab	<a href="#">92.7699, -24.8589, 12.5680</a>

# Details

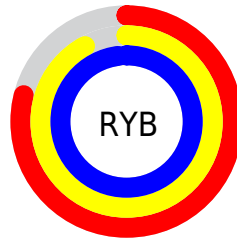
The Yxy color **86.0626, 0.2984, 0.3594** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.7552, 0.3302, 0.3005**, and the grayscale version is **80.8703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0409, 0.2947, 0.3658** is the 20% darker color. If you saturate the color by 10%, you get **82.1446, 0.2916, 0.3775**, and if you desaturate by 10%, it is **90.6167, 0.3056, 0.3430**.

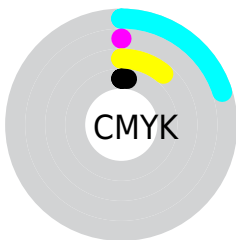
# Distribution



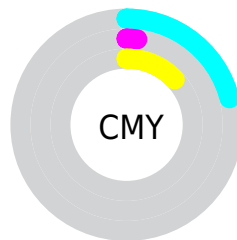
- Red (79%)
- Green (98%)
- Blue (87%)



- Red (79%)
- Yellow (92%)
- Blue (98%)



- Cyan (20%)
- Magenta (0%)
- Yellow (11%)
- Black (2%)




- Cyan (21%)
- Magenta (2%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.0626, 0.2984, 0.3594 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 86.0626, 0.2984, 0.3594 by changing the saturation by 10% instead.




 86.0626, 0.2984,  
0.3594

 86.0626, 0.2984,  
0.3594


515.1376, 0.3050,  
0.3454

 64.7197, 0.2969,  
0.3626


141.8568, 0.3007,  
0.3546

 47.2339, 0.2951,  
0.3665


177.0770, 0.3016,  
0.3527

 33.2206, 0.2927,  
0.3714


217.6917, 0.3023,  
0.3511

 22.2955, 0.2897,  
0.3779

264.0854, 0.3030,  
0.3496

 14.0742, 0.2856,  
0.3866

316.6425, 0.3036,  
0.3484

 8.1723, 0.2797,  
0.3991


375.7472, 0.3041,


 4.2054, 0.2706,


0.3473


0.4185

441.7842, 0.3046,  
0.3463


 1.7891, 0.2546,  
0.4524


 0.4804, 0.0000,  
1.0000


 86.0626, 0.2984,  
0.3594


 86.0626, 0.2984,  
0.3594


 82.1446, 0.2916,  
0.3775


 90.6167, 0.3056,  
0.3430

 78.8230, 0.2854,  
0.3974

 95.8229, 0.3130,  
0.3285

 76.0702, 0.2803,  
0.4186

 96.8558, 0.3129,  
0.3242

 73.8522, 0.2766,  
0.4409

■ 72.1310, 0.2745,  
0.4636

■ 70.8637, 0.2744,  
0.4859

■ 69.9990, 0.2762,  
0.5072

■ 69.4575, 0.2797,  
0.5266

■ 69.4391, 0.2798,  
0.5273

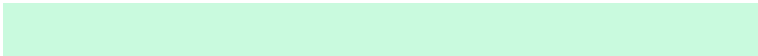
# Harmonies

## Analogous

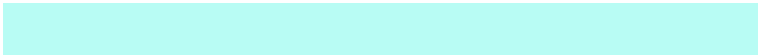
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0626, 0.3241, 0.3729



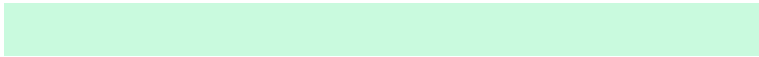
86.0626, 0.2984, 0.3594



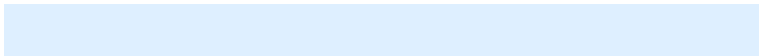
86.0626, 0.2772, 0.3368

# Triad

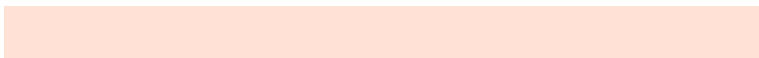
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.0626, 0.2984, 0.3594



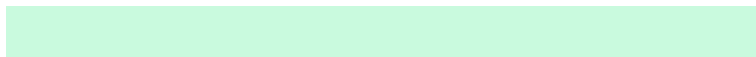
86.0626, 0.2781, 0.2866



86.0626, 0.3624, 0.3417

# Complementary

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



86.0626, 0.2984, 0.3594



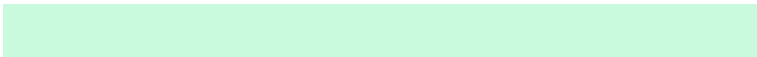
67.7552, 0.3302, 0.3005

# 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.



86.0626, 0.3491, 0.3201



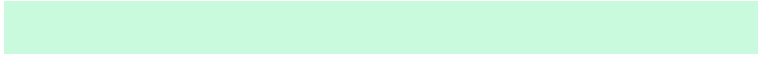
86.0626, 0.2984, 0.3594



86.0626, 0.2998, 0.2892

# Square

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



86.0626, 0.2984, 0.3594



86.0626, 0.2658, 0.2949



86.0626, 0.3259, 0.3012

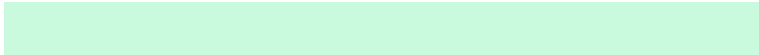


86.0626, 0.3617, 0.3612



# Rectangle

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



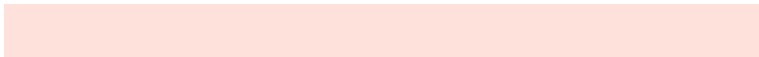
86.0626, 0.2984, 0.3594



86.0626, 0.2681, 0.3206



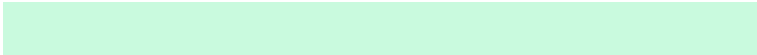
86.0626, 0.3259, 0.3012



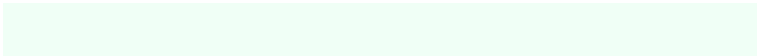
86.0626, 0.3594, 0.3345

# Sweetspot

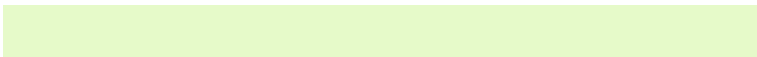
The Sweet Spot groups the original color and five complimentary colors.



86.0662, 0.2984, 0.3594



96.6622, 0.3083, 0.3376



89.3473, 0.3286, 0.3802



20.6152, 0.3078, 0.3386



0.0000, 0.0000, 0.0000

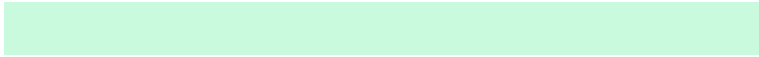


21.4041, 0.3127, 0.3290

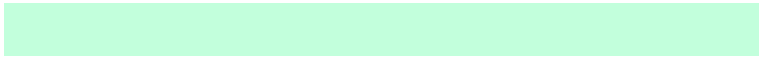


# Same Dimension

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



86.0662, 0.2984, 0.3594



88.1309, 0.2953, 0.3672



87.4420, 0.2854, 0.3332



19.4327, 0.3057, 0.3429



36.8577, 0.2790, 0.5243



3.4344, 0.2725, 0.5009



# Inverse Universe

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



67.7552, 0.3302, 0.3005



65.3998, 0.3350, 0.2937



66.5089, 0.3485, 0.3248



17.3915, 0.3204, 0.3155



11.8606, 0.4660, 0.2341

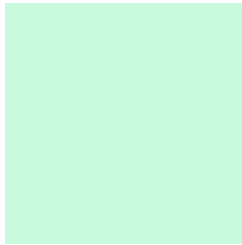


1.1197, 0.4438, 0.2219



# Previews

## White Background



This preview shows how the Yxy color 86.0626, 0.2984, 0.3594 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

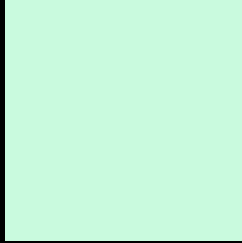
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.0626, 0.2984, 0.3594 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

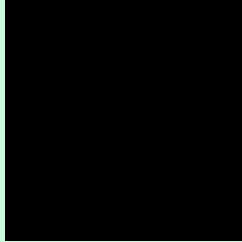
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

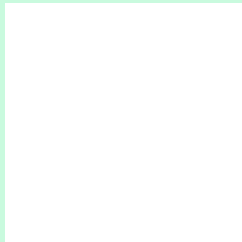
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.0626, 0.2984, 0.3594**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.0626, 0.2984, 0.3594.

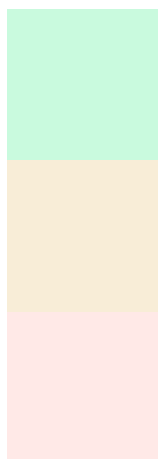


This preview shows how white text looks on a background with the Yxy color 86.0626, 0.2984, 0.3594.

# 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

86.0626, 0.2984, 0.3594

### Protanopia

85.4311, 0.3341, 0.3513

### Deuteranopia

85.3073, 0.3291, 0.3310



## Tritanopia

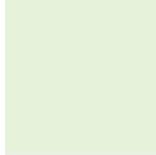
85.7843, 0.2907, 0.3156

# Trichromacy



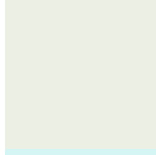
## Original Color

86.0626, 0.2984, 0.3594



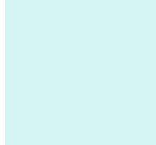
## Protanomaly

85.5551, 0.3201, 0.3540



## Deuteranomaly

84.9966, 0.3168, 0.3403



## Tritanomaly

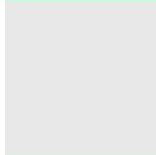
85.7729, 0.2933, 0.3310

# Monochromacy



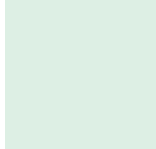
## Original Color

86.0626, 0.2984, 0.3594



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.7066, 0.3076, 0.3406

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.0626, 0.2984, 0.3594 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(201, 250, 222)` looks like.

```
.text, #text, p{  
    color:rgb(201, 250, 222)  
}
```

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(201, 250, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 250, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 86.0626, 0.2984, 0.3594 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(201, 250, 222) }
```

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

```
.border{ border-color:rgb(201, 250, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 250, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 250, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 250, 222);  
box-shadow:4px 4px 4px 4px rgb(201, 250,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.0626, 0.2984, 0.3594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 250, 222) }
```

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

```
.background{ background-color: rgb(201,  
250, 222) }
```

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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