

# Converting Colors

Yxy(87.9494, 0.3157, 0.3923)

Have a look what the booklet for  
Yxy(87.9494, 0.3157, 0.3923)  
contains.

<b>Yxy(87.9910, 0.3159, 0.3922)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(87.9910, 0.3159, 0.3922)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEFEC4
RGB	206, 254, 196
RGB Percent	81%, 100%, 77%
CMY	0.1919, 0.0040, 0.2313
CMYK	0.19, 0.00, 0.23, 0.00
HSL	110°, 97%, 88%
HSV	110°, 23%, 100%
XYZ	70.8729, 87.9910, 65.4885
YIQ	233.0360, -9.9900, -28.2140

# Conversions

## Conversions Part 2

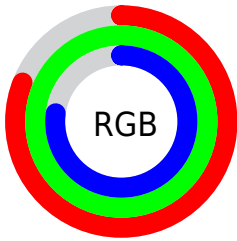
Format	Color
<b>R<sub>YB</sub></b>	196, 254, 244
Decimal	13565636
CIE <sub>Lab</sub>	95.16, -25.72, 22.83
CIE <sub>LCh</sub>	95, 34.391, 138.413
Yxy	87.9910, 0.3159, 0.3922
Android (android.graphics.Color)	4291755716 (0xFFCEFE4)
YUV	233.0360, -18.2587, -23.7106
Hunter-Lab	93.8035, -29.2911, 24.2694

# Details

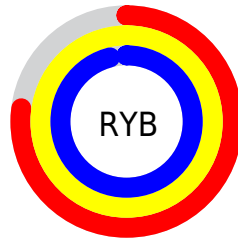
The Yxy color **87.9910, 0.3159, 0.3922** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.8742, 0.3079, 0.2707**, and the grayscale version is **81.6707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **48.4648, 0.3160, 0.4071** is the 20% darker color. If you saturate the color by 10%, you get **84.1249, 0.3168, 0.4245**, and if you desaturate by 10%, it is **92.4622, 0.3146, 0.3626**.

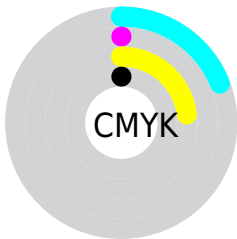
# Distribution



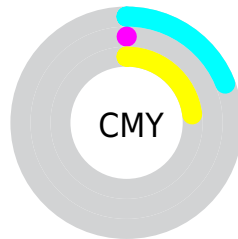
- Red (81%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (96%)



- Cyan (19%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.9910, 0.3159, 0.3922 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 87.9910, 0.3159, 0.3922 by changing the saturation by 10% instead.



 87.9910, 0.3159,  
0.3922

 87.9910, 0.3159,  
0.3922

521.4738, 0.3151,  
0.3628

 66.3156, 0.3159,  
0.3989


144.5446, 0.3157,  
0.3820

 48.5287, 0.3159,  
0.4072

180.1917, 0.3156,  
0.3780

 34.2457, 0.3157,  
0.4177

221.2647, 0.3155,  
0.3746

 23.0824, 0.3153,  
0.4314

268.1481, 0.3154,  
0.3717

 14.6544, 0.3143,  
0.4500

321.2264, 0.3153,  
0.3690

 8.5772, 0.3122,  
0.4765

380.8838, 0.3152,

 4.4664, 0.3072,

0.3667

0.5171

447.5048, 0.3152,  
0.3647

■ 1.9378, 0.3097,  
0.6167

■ 0.5709, 0.0000,  
1.0000

■ 87.9910, 0.3159,  
0.3922

■ 87.9910, 0.3159,  
0.3922

■ 84.1249, 0.3168,  
0.4245

■ 92.4622, 0.3146,  
0.3626

■ 80.8270, 0.3171,  
0.4586

■ 97.5513, 0.3132,  
0.3359

■ 78.0734, 0.3167,  
0.4930

■ 99.3581, 0.3128,  
0.3280

■ 75.8343, 0.3154,  
0.5256

■ 74.0767, 0.3133,  
0.5541

■ 72.7639, 0.3104,  
0.5762

■ 71.8531, 0.3070,  
0.5905

■ 71.4123, 0.3046,  
0.5963

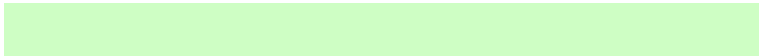
# Harmonies

## Analogous

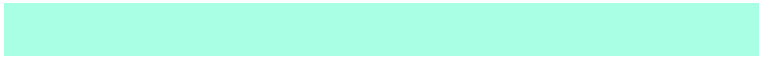
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9910, 0.3536, 0.3985



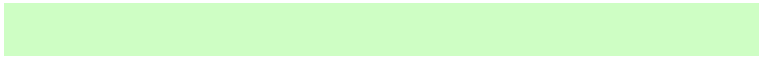
87.9910, 0.3159, 0.3922



87.9910, 0.2788, 0.3651

# Triad

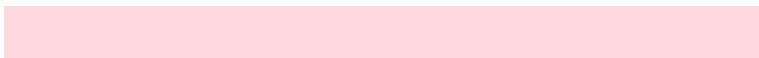
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9910, 0.3159, 0.3922



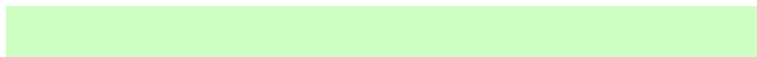
87.9910, 0.2473, 0.2717



87.9910, 0.3770, 0.3255

# Complementary

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



87.9910, 0.3159, 0.3922



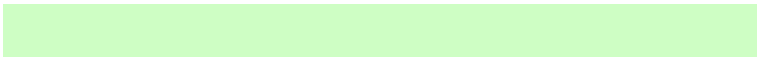
65.8742, 0.3079, 0.2707

# Split Complementary

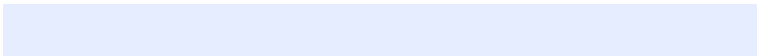
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.9910, 0.3452, 0.2962



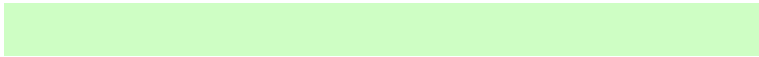
87.9910, 0.3159, 0.3922



87.9910, 0.2703, 0.2658

# Square

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



87.9910, 0.3159, 0.3922



87.9910, 0.2408, 0.2933



87.9910, 0.3056, 0.2749

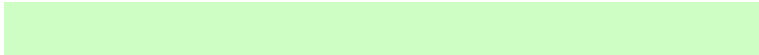


87.9910, 0.3904, 0.3572



# Rectangle

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



87.9910, 0.3159, 0.3922



87.9910, 0.2593, 0.3403



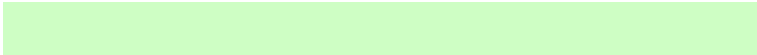
87.9910, 0.3056, 0.2749



87.9910, 0.3680, 0.3152

# Sweetspot

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



87.9948, 0.3159, 0.3922



96.2102, 0.3138, 0.3467



89.3757, 0.3495, 0.3763



20.5262, 0.3139, 0.3483



0.0000, 0.0000, 0.0000

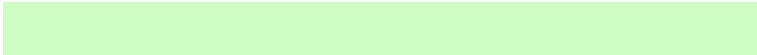


21.4041, 0.3127, 0.3290

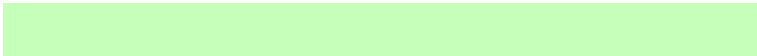


# Same Dimension

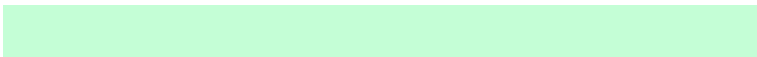
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9948, 0.3159, 0.3922



87.0857, 0.3163, 0.4054



87.4923, 0.2996, 0.3724



20.3191, 0.3142, 0.3534



37.6955, 0.3053, 0.5958



3.7100, 0.3117, 0.5907



# Inverse Universe

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



65.8742, 0.3079, 0.2707



61.4715, 0.3068, 0.2596



66.5967, 0.3288, 0.2892



18.1320, 0.3110, 0.3054



11.0581, 0.2774, 0.1302

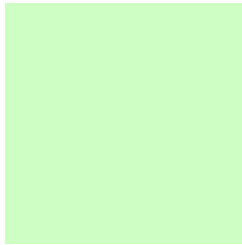


1.1167, 0.2826, 0.1331



# Previews

## White Background



This preview shows how the Yxy color 87.9910, 0.3159, 0.3922 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

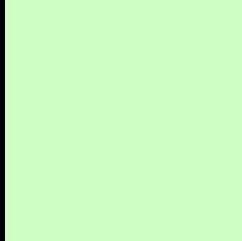
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.9910, 0.3159, 0.3922 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

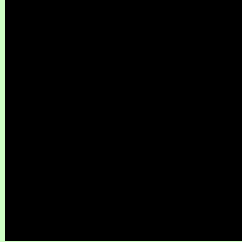
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

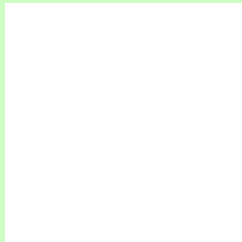
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.9910, 0.3159, 0.3922**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.9910, 0.3159, 0.3922.

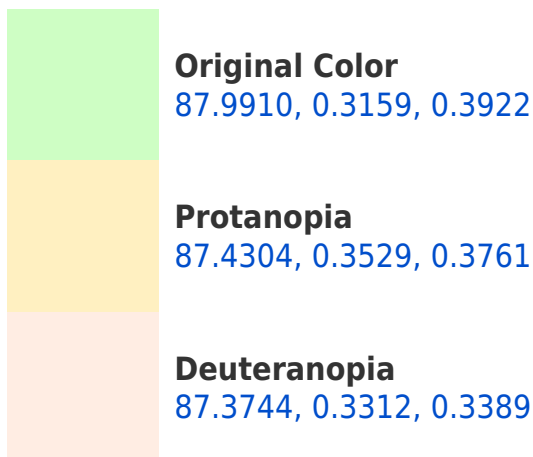


This preview shows how white text looks on a background with the Yxy color 87.9910, 0.3159, 0.3922.

# 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

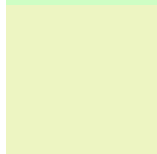
87.6521, 0.2956, 0.3168

# Trichromacy



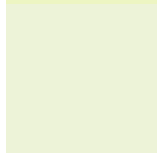
## Original Color

87.9910, 0.3159, 0.3922



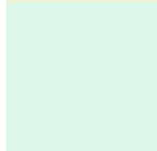
## Protanomaly

87.2044, 0.3386, 0.3819



## Deuteranomaly

87.0636, 0.3253, 0.3568



## Tritanomaly

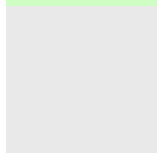
87.5221, 0.3026, 0.3425

# Monochromacy



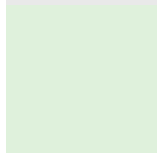
## Original Color

87.9910, 0.3159, 0.3922



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.7659, 0.3136, 0.3512

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.9910, 0.3159, 0.3922 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(206, 254, 196)` looks like.

```
.text, #text, p{  
    color:rgb(206, 254, 196)  
}
```

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(206, 254, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 254, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 87.9910, 0.3159, 0.3922 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(206, 254, 196) }
```

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

```
.border{ border-color:rgb(206, 254, 196) }
```

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

Here you see how a box with a 4 pixel rgb(206, 254, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 254, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 254, 196);  
box-shadow:4px 4px 4px 4px rgb(206, 254,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.9910, 0.3159, 0.3922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 254, 196) }
```

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

```
.background{ background-color: rgb(206,  
254, 196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor