

# Converting Colors

Yxy(96.4730, 0.3015, 0.3899)

Have a look what the booklet for  
Yxy(96.4730, 0.3015, 0.3899)  
contains.

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# Color

**Yxy(87.9589, 0.3015, 0.3773)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4FFD3
RGB	196, 255, 211
RGB Percent	77%, 100%, 83%
CMY	0.2312, 0.0000, 0.1727
CMYK	0.23, 0.00, 0.17, 0.00
HSL	135°, 100%, 88%
HSV	135°, 23%, 100%
XYZ	70.2879, 87.9589, 74.8805
YIQ	232.3430, -21.0400, -26.1920

# Conversions

## Conversions Part 2

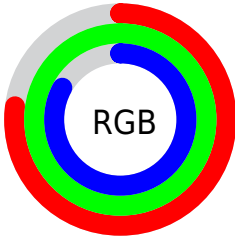
<b>Format</b>	<b>Color</b>
<b>RYB</b>	196, 243, 255
Decimal	12910547
CIELab	95.14, -26.92, 15.09
CIELCh	95, 30.858, 150.722
Yxy	87.9589, 0.3015, 0.3773
Android (android.graphics.Color)	4291100627 (0xFFC4FFD3)
YUV	232.3430, -10.5221, -31.8728
Hunter-Lab	93.7864, -30.3501, 18.3125

# Details

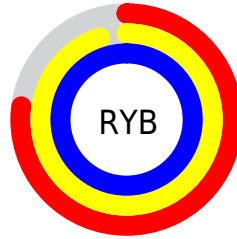
The Yxy color **87.9589, 0.3015, 0.3773** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.0551, 0.3263, 0.2851**, and the grayscale version is **81.0652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **48.4512, 0.2987, 0.3892** is the 20% darker color. If you saturate the color by 10%, you get **83.9286, 0.2970, 0.4022**, and if you desaturate by 10%, it is **92.6909, 0.3063, 0.3548**.

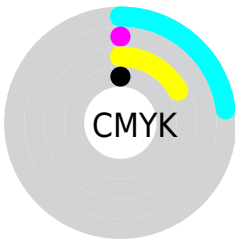
# Distribution



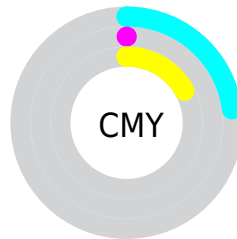
- Red (77%)
- Green (100%)
- Blue (83%)



- Red (77%)
- Yellow (95%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.9589, 0.3015, 0.3773 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 87.9589, 0.3015, 0.3773 by changing the saturation by 10% instead.



 87.9589, 0.3015,  
0.3773

 87.9589, 0.3015,  
0.3773

521.3686, 0.3069,  
0.3549

 66.2890, 0.3002,  
0.3824

144.4999, 0.3034,  
0.3695

 48.5071, 0.2986,  
0.3887

180.1399, 0.3041,  
0.3665

 34.2286, 0.2966,  
0.3967


221.2053, 0.3048,  
0.3639

 23.0693, 0.2938,  
0.4072

268.0807, 0.3053,  
0.3617

 14.6447, 0.2899,  
0.4214

321.1503, 0.3058,  
0.3597

 8.5704, 0.2842,  
0.4419

380.7985, 0.3062,

 4.4620, 0.2747,

0.3579

0.4736

447.4098, 0.3066,  
0.3563

■ 1.9352, 0.2578,  
0.5308

■ 0.5694, 0.0000,  
1.0000

■ 87.9589, 0.3015,  
0.3773

■ 87.9589, 0.3015,  
0.3773

■ 83.9286, 0.2970,  
0.4022

■ 92.6909, 0.3063,  
0.3548

■ 80.5556, 0.2930,  
0.4293

■ 98.1446, 0.3112,  
0.3347

■ 77.8076, 0.2898,  
0.4577

■ 99.9992, 0.3127,  
0.3290

■ 75.6448, 0.2878,  
0.4865

■ 74.0230, 0.2871,  
0.5144

■ 72.8914, 0.2881,  
0.5397

■ 72.1888, 0.2904,  
0.5611

■ 71.8958, 0.2925,  
0.5730

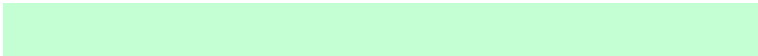
# Harmonies

## Analogous

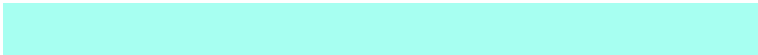
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9589, 0.3363, 0.3912



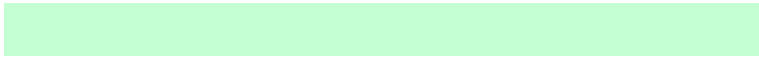
87.9589, 0.3015, 0.3773



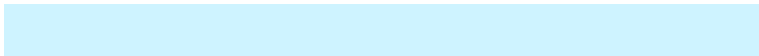
87.9589, 0.2709, 0.3480

# Triad

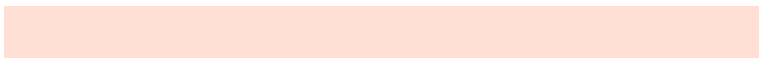
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9589, 0.3015, 0.3773



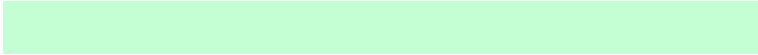
87.9589, 0.2606, 0.2735



87.9589, 0.3776, 0.3380

# Complementary

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



87.9589, 0.3015, 0.3773



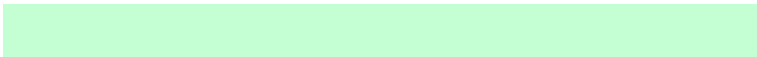
67.0551, 0.3263, 0.2851

# 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.



87.9589, 0.3550, 0.3097



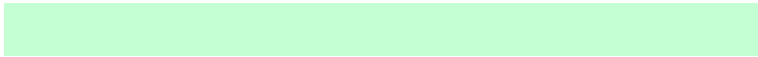
87.9589, 0.3015, 0.3773



87.9589, 0.2867, 0.2737

# Square

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



87.9589, 0.3015, 0.3773



87.9589, 0.2482, 0.2875



87.9589, 0.3212, 0.2868

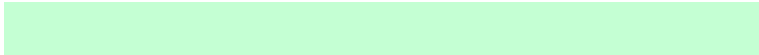


87.9589, 0.3815, 0.3657



# Rectangle

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



87.9589, 0.3015, 0.3773



87.9589, 0.2566, 0.3252



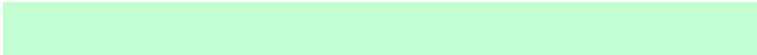
87.9589, 0.3212, 0.2868



87.9589, 0.3719, 0.3283

# Sweetspot

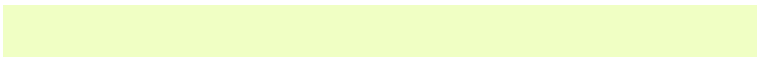
The Sweet Spot groups the original color and five complimentary colors.



87.9626, 0.3015, 0.3773



95.9413, 0.3093, 0.3422



94.0776, 0.3379, 0.3889



20.4642, 0.3090, 0.3434



0.0000, 0.0000, 0.0000

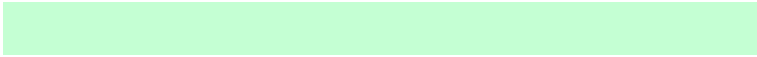


21.4041, 0.3127, 0.3290

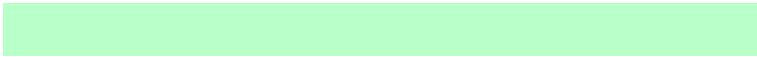


# Same Dimension

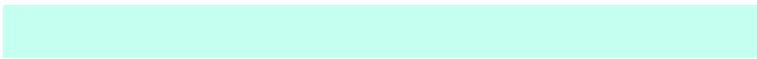
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9626, 0.3015, 0.3773



85.9100, 0.2992, 0.3892



89.5677, 0.2859, 0.3446



20.2436, 0.3081, 0.3472



37.5876, 0.2918, 0.5704



3.6765, 0.2859, 0.5491



# Inverse Universe

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



67.0551, 0.3263, 0.2851



61.4849, 0.3298, 0.2756



65.4518, 0.3488, 0.3140



18.2172, 0.3177, 0.3114



13.0868, 0.3976, 0.1964

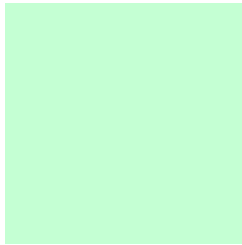


1.2918, 0.3869, 0.1905



# Previews

## White Background



This preview shows how the Yxy color 87.9589, 0.3015, 0.3773 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

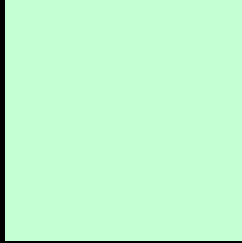
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.9589, 0.3015, 0.3773 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

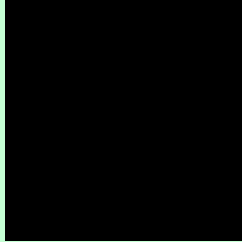
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.9589, 0.3015, 0.3773**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.9589, 0.3015, 0.3773.

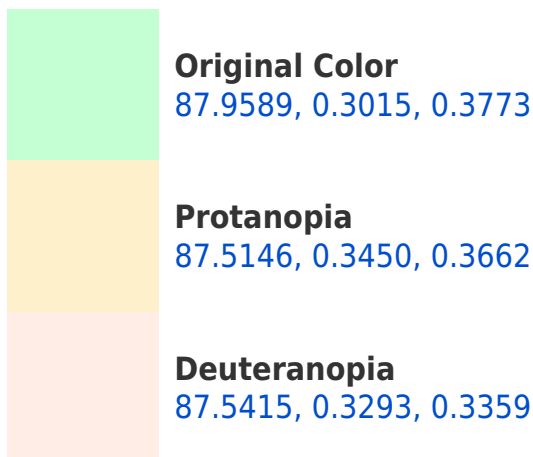


This preview shows how white text looks on a background with the Yxy color 87.9589, 0.3015, 0.3773.

# 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

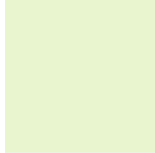
87.6093, 0.2932, 0.3178

# Trichromacy



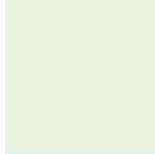
## Original Color

87.9589, 0.3015, 0.3773



## Protanomaly

86.9169, 0.3278, 0.3697



## Deuteranomaly

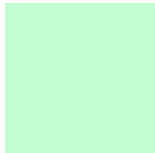
87.5215, 0.3189, 0.3506



## Tritanomaly

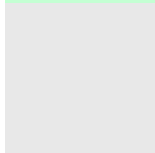
87.5129, 0.2961, 0.3384

# Monochromacy



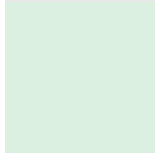
## Original Color

87.9589, 0.3015, 0.3773



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.7621, 0.3087, 0.3460

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.9589, 0.3015, 0.3773 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(196, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 211)  
}
```

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(196, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 87.9589, 0.3015, 0.3773 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(196, 255, 211) }
```

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

```
.border{ border-color:rgb(196, 255, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.9589, 0.3015, 0.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 211) }
```

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

```
.background{ background-color: rgb(196,  
255, 211) }
```

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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