

# Converting Colors

$Yxy(86.2889, 0.3016, 0.3896)$

Have a look what the booklet for  
Yxy(86.2889, 0.3016, 0.3896)  
contains.

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# Color

**Yxy(86.3018, 0.3016, 0.3896)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBFFC9
RGB	187, 255, 201
RGB Percent	73%, 100%, 79%
CMY	0.2664, 0.0000, 0.2117
CMYK	0.27, 0.00, 0.21, 0.00
HSL	132°, 100%, 87%
HSV	132°, 27%, 100%
XYZ	66.8086, 86.3018, 68.4035
YIQ	228.5120, -23.1940, -31.2100

# Conversions

## Conversions Part 2

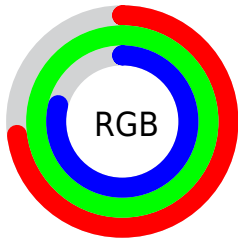
Format	Color
<a href="#">RYB</a>	<a href="#">187, 243, 255</a>
Decimal	<a href="#">12320713</a>
CIELab	<a href="#">94.44, -31.48, 19.12</a>
CIElCh	<a href="#">94, 36.830, 148.717</a>
Yxy	<a href="#">86.3018, 0.3016, 0.3896</a>
Android (android.graphics.Color)	<a href="#">4290510793</a> ( <a href="#">0xFFBBFFC9</a> )
YUV	<a href="#">228.5120, -13.5634, -36.4060</a>
Hunter-Lab	<a href="#">92.8988, -34.2037, 21.3726</a>

# Details

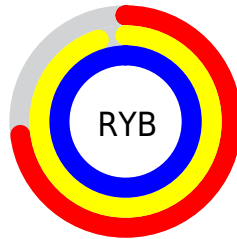
The Yxy color **86.3018, 0.3016, 0.3896** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.1792, 0.3263, 0.2752**, and the grayscale version is **78.1033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **47.4003, 0.2982, 0.4041** is the 20% darker color. If you saturate the color by 10%, you get **82.4768, 0.2978, 0.4171**, and if you desaturate by 10%, it is **90.8309, 0.3057, 0.3646**.

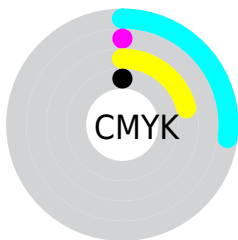
# Distribution



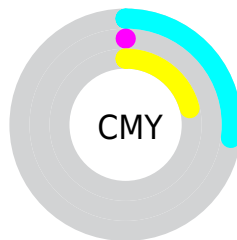
- Red (73%)
- Green (100%)
- Blue (79%)



- Red (73%)
- Yellow (95%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.3018, 0.3016, 0.3896 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 86.3018, 0.3016, 0.3896 by changing the saturation by 10% instead.




 86.3018, 0.3016,  
0.3896

 86.3018, 0.3016,  
0.3896

515.9258, 0.3072,  
0.3612

 64.9176, 0.3002,  
0.3961

 142.1906, 0.3036,  
0.3797

 47.3942, 0.2985,  
0.4043

177.4639, 0.3044,  
0.3759

 33.3474, 0.2962,  
0.4146


218.1357, 0.3050,  
0.3726

 22.3927, 0.2930,  
0.4281

264.5904, 0.3056,  
0.3697

 14.1458, 0.2885,  
0.4467

317.2123, 0.3061,  
0.3672

 8.2221, 0.2816,  
0.4736

376.3860, 0.3065,

 4.2374, 0.2697,

0.3650

0.5157

442.4957, 0.3068,  
0.3630

■ 1.8072, 0.2536,  
0.6101

■ 0.4917, 0.0000,  
1.0000

■ 86.3018, 0.3016,  
0.3896

■ 86.3018, 0.3016,  
0.3896

■ 82.4768, 0.2978,  
0.4171

■ 90.8309, 0.3057,  
0.3646

■ 79.3099, 0.2944,  
0.4464

■ 96.0858, 0.3099,  
0.3423

■ 76.7665, 0.2920,  
0.4768

■ 99.9949, 0.3127,  
0.3290

■ 74.8046, 0.2906,  
0.5067

■ 73.3766, 0.2905,  
0.5344

■ 72.4271, 0.2917,  
0.5582

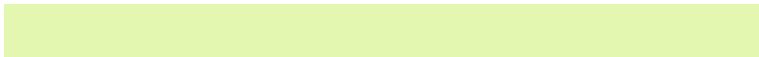
■ 71.8878, 0.2941,  
0.5767

■ 71.7662, 0.2949,  
0.5817

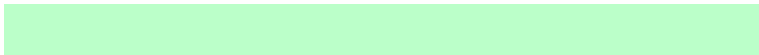
# Harmonies

## Analogous

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



86.3018, 0.3432, 0.4046



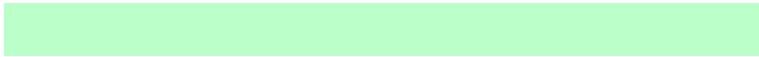
86.3018, 0.3016, 0.3896



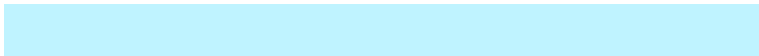
86.3018, 0.2646, 0.3544

# Triad

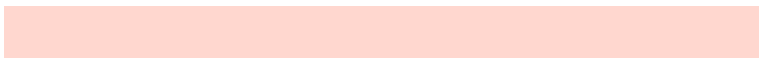
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3018, 0.3016, 0.3896



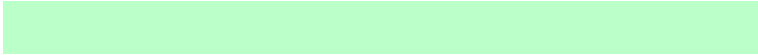
86.3018, 0.2491, 0.2634



86.3018, 0.3897, 0.3367

# Complementary

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



86.3018, 0.3016, 0.3896



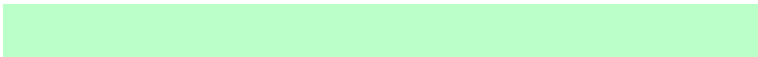
63.1792, 0.3263, 0.2752

# 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.



86.3018, 0.3611, 0.3038



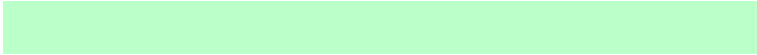
86.3018, 0.3016, 0.3896



86.3018, 0.2789, 0.2630

# Square

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



86.3018, 0.3016, 0.3896



86.3018, 0.2359, 0.2806



86.3018, 0.3197, 0.2776

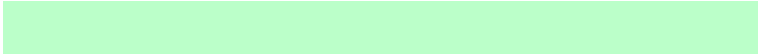


86.3018, 0.3958, 0.3700



# Rectangle

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



86.3018, 0.3016, 0.3896



86.3018, 0.2471, 0.3267



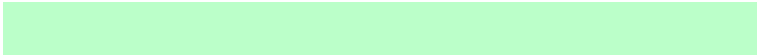
86.3018, 0.3197, 0.2776



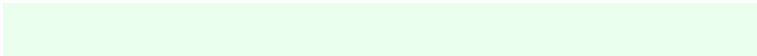
86.3018, 0.3823, 0.3254

# Sweetspot

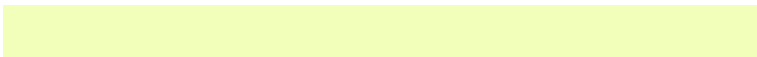
The Sweet Spot groups the original color and five complimentary colors.



86.3054, 0.3016, 0.3896



95.3338, 0.3094, 0.3452



93.8778, 0.3440, 0.3979



20.2292, 0.3087, 0.3484



0.0000, 0.0000, 0.0000

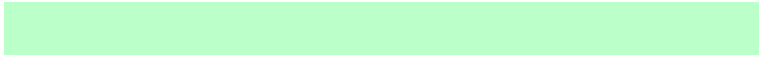


21.4041, 0.3127, 0.3290

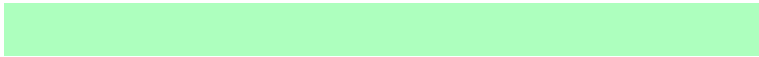


# Same Dimension

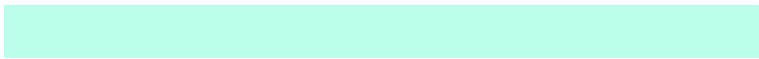
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3054, 0.3016, 0.3896



84.1746, 0.2995, 0.4040



88.0635, 0.2839, 0.3511



20.2292, 0.3087, 0.3484



37.5191, 0.2943, 0.5794



3.6680, 0.2888, 0.5598



# Inverse Universe

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



63.1792, 0.3263, 0.2752



57.4879, 0.3296, 0.2642



61.3526, 0.3532, 0.3081



18.2327, 0.3170, 0.3103



13.3747, 0.3810, 0.1872

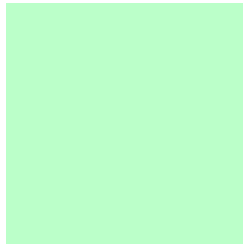


1.3176, 0.3728, 0.1827



# Previews

## White Background



This preview shows how the Yxy color 86.3018, 0.3016, 0.3896 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

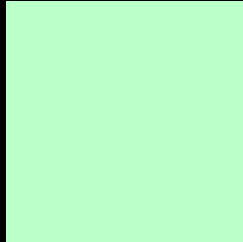
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.3018, 0.3016, 0.3896 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

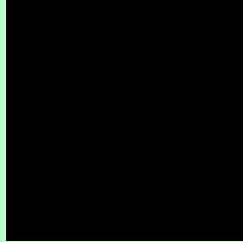
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

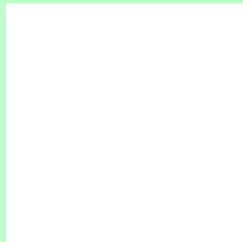
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.3018, 0.3016, 0.3896**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.3018, 0.3016, 0.3896.

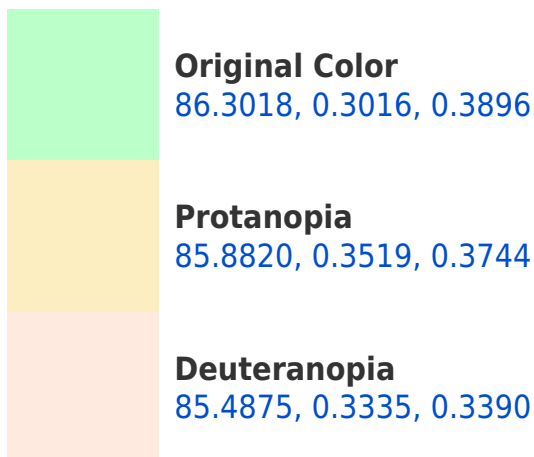


This preview shows how white text looks on a background with the Yxy color 86.3018, 0.3016, 0.3896.

# 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

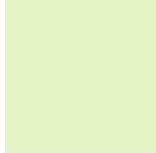
85.9201, 0.2889, 0.3166

# Trichromacy



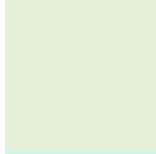
## Original Color

86.3018, 0.3016, 0.3896



## Protanomaly

85.3449, 0.3321, 0.3798



## Deuteranomaly

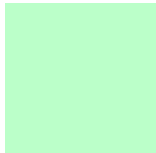
85.2851, 0.3207, 0.3562



## Tritanomaly

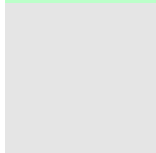
85.4988, 0.2935, 0.3418

# Monochromacy



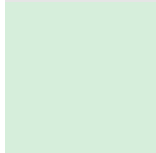
## Original Color

86.3018, 0.3016, 0.3896



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

80.5597, 0.3085, 0.3495

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.3018, 0.3016, 0.3896 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(187, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 201)  
}
```

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(187, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 86.3018, 0.3016, 0.3896 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(187, 255, 201) }
```

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

```
.border{ border-color:rgb(187, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.3018, 0.3016, 0.3896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 201) }
```

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

```
.background{ background-color: rgb(187,  
255, 201) }
```

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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