

# Converting Colors

$Y_{xy}(100.0000, 0.2988, 0.4040)$

Have a look what the booklet for  
Yxy(100.0000, 0.2988, 0.4040)  
contains.

|   |    |
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# Color

**Yxy(86.4153, 0.2983, 0.3839)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | BAFFCE                       |
| RGB         | 186, 255, 206                |
| RGB Percent | 73%, 100%, 81%               |
| CMY         | 0.2707, 0.0000, 0.1921       |
| CMYK        | 0.27, 0.00, 0.19, 0.00       |
| HSL         | 137°, 100%, 86%              |
| HSV         | 137°, 27%, 100%              |
| XYZ         | 67.1469, 86.4153, 71.5363    |
| YIQ         | 228.7830, -25.3950, -29.8670 |

# Conversions

## Conversions Part 2

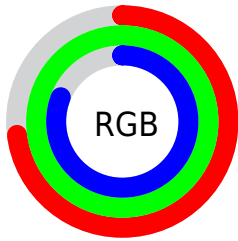
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 186, 239, 255                   |
| Decimal                             | 12255182                        |
| CIELab                              | 94.49, -30.93, 16.63            |
| CIElCh                              | 94, 35.122, 151.736             |
| Yxy                                 | 86.4153, 0.2983,<br>0.3839      |
| Android<br>(android.graphics.Color) | 4290445262<br>(0xFFBAFFCE)      |
| YUV                                 | 228.7830, -11.2320,<br>-37.5207 |
| Hunter-Lab                          | 92.9598, -33.7453,<br>19.4459   |

# Details

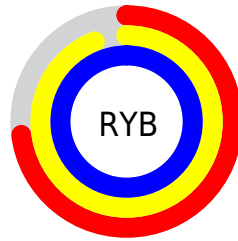
The Yxy color **86.4153, 0.2983, 0.3839** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.3662, 0.3311, 0.2798**, and the grayscale version is **78.2802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **47.4805, 0.2942, 0.3966** is the 20% darker color. If you saturate the color by 10%, you get **82.6700, 0.2935, 0.4084**, and if you desaturate by 10%, it is **90.8276, 0.3035, 0.3616**.

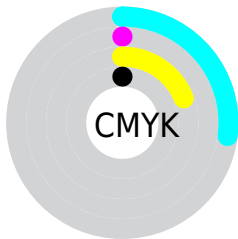
# Distribution



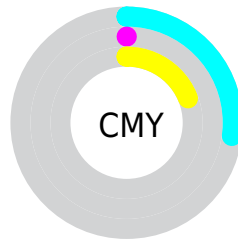
- Red (73%)
- Green (100%)
- Blue (81%)



- Red (73%)
- Yellow (94%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)



- Cyan (27%)
- Magenta (0%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4153, 0.2983, 0.3839 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 86.4153, 0.2983, 0.3839 by changing the saturation by 10% instead.





 86.4153, 0.2983,  
0.3839

 86.4153, 0.2983,  
0.3839


516.2996, 0.3053,  
0.3583

 65.0114, 0.2966,  
0.3898


 142.3489, 0.3008,  
0.3750

 47.4704, 0.2946,  
0.3971


177.6474, 0.3017,  
0.3715

 33.4076, 0.2919,  
0.4064


218.3463, 0.3025,  
0.3685

 22.4389, 0.2883,  
0.4186

264.8299, 0.3032,  
0.3659

 14.1798, 0.2833,  
0.4353

317.4826, 0.3038,  
0.3637

 8.2458, 0.2757,  
0.4595

376.6889, 0.3044,

 4.2526, 0.2633,

0.3617

0.4974

442.8331, 0.3048,  
0.3599

■ 1.8159, 0.2428,  
0.5730

■ 0.4970, 0.0000,  
1.0000

■ 86.4153, 0.2983,  
0.3839

■ 86.4153, 0.2983,  
0.3839

■ 82.6700, 0.2935,  
0.4084

■ 90.8276, 0.3035,  
0.3616

■ 79.5642, 0.2895,  
0.4347

■ 95.9445, 0.3089,  
0.3417

■ 77.0591, 0.2864,  
0.4621

■ 100.0000, 0.3127,  
0.3290

■ 75.1141, 0.2848,  
0.4896

■ 73.6834, 0.2847,  
0.5160

■ 72.7136, 0.2863,  
0.5399

■ 72.1372, 0.2893,  
0.5600

■ 72.0143, 0.2903,  
0.5651

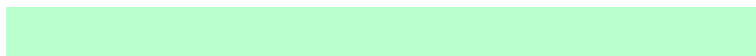
# Harmonies

## Analogous

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



86.4153, 0.3381, 0.4005



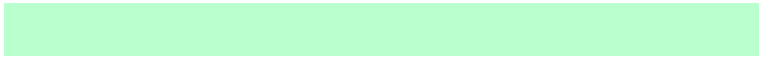
86.4153, 0.2983, 0.3839



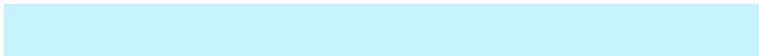
86.4153, 0.2639, 0.3493

# Triad

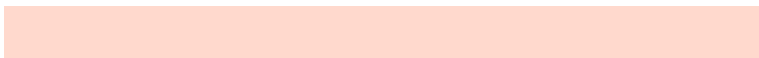
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4153, 0.2983, 0.3839



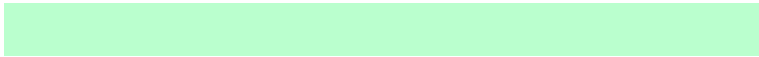
86.4153, 0.2541, 0.2656



86.4153, 0.3877, 0.3398

# Complementary

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



86.4153, 0.2983, 0.3839



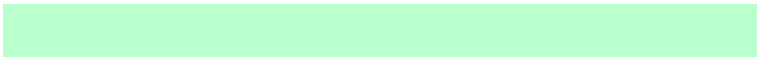
62.3662, 0.3311, 0.2798

# 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.



86.4153, 0.3623, 0.3080



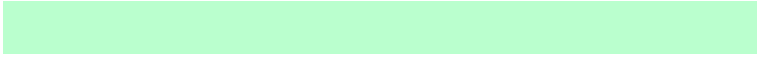
86.4153, 0.2983, 0.3839



86.4153, 0.2840, 0.2666

# Square

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



86.4153, 0.2983, 0.3839



86.4153, 0.2397, 0.2806



86.4153, 0.3236, 0.2819

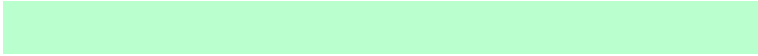


86.4153, 0.3912, 0.3713



# Rectangle

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



86.4153, 0.2983, 0.3839



86.4153, 0.2482, 0.3230



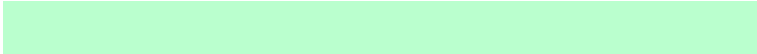
86.4153, 0.3236, 0.2819



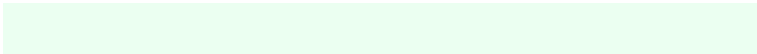
86.4153, 0.3814, 0.3289

# Sweetspot

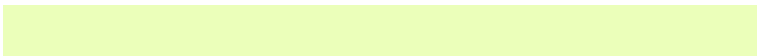
The Sweet Spot groups the original color and five complimentary colors.



86.4132, 0.2983, 0.3839



95.4363, 0.3084, 0.3434



92.8023, 0.3406, 0.4000



20.2549, 0.3076, 0.3463



0.0000, 0.0000, 0.0000

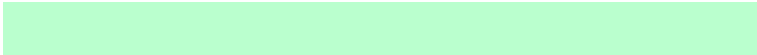


21.4041, 0.3127, 0.3290

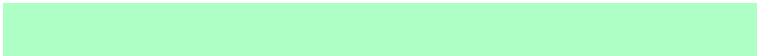


# Same Dimension

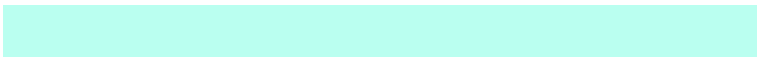
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4132, 0.2983, 0.3839



84.4846, 0.2959, 0.3957



88.2506, 0.2805, 0.3451



20.2549, 0.3076, 0.3463



37.6513, 0.2895, 0.5623



3.6840, 0.2834, 0.5402



# Inverse Universe

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



62.3662, 0.3311, 0.2798



57.0886, 0.3353, 0.2706



60.5835, 0.3589, 0.3136



18.2052, 0.3183, 0.3123



12.8795, 0.4112, 0.2039

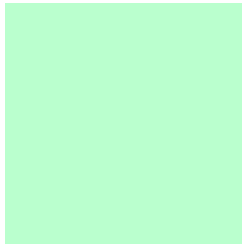


1.2730, 0.3984, 0.1968



# Previews

## White Background



This preview shows how the Yxy color 86.4153, 0.2983, 0.3839 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 86.4153, 0.2983, 0.3839 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

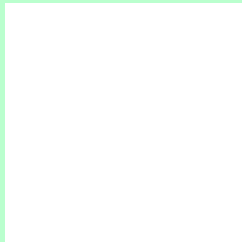
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.4153, 0.2983, 0.3839**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.4153, 0.2983, 0.3839.

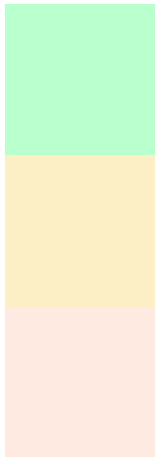


This preview shows how white text looks on a background with the Yxy color 86.4153, 0.2983, 0.3839.

# 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

86.4153, 0.2983, 0.3839

### Protanopia

85.8757, 0.3485, 0.3705

### Deuteranopia

85.5966, 0.3322, 0.3370



## Tritanopia

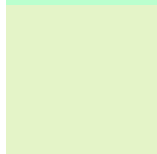
85.9201, 0.2889, 0.3166

# Trichromacy



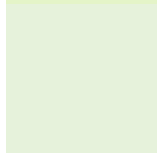
## Original Color

86.4153, 0.2983, 0.3839



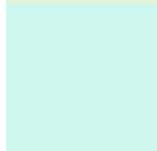
## Protanomaly

85.3655, 0.3289, 0.3755



## Deuteranomaly

85.4417, 0.3188, 0.3530



## Tritanomaly

85.6151, 0.2924, 0.3396

# Monochromacy



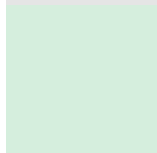
## Original Color

86.4153, 0.2983, 0.3839



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

80.5157, 0.3066, 0.3474

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.4153, 0.2983, 0.3839 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(186, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 206)  
}
```

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(186, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 86.4153, 0.2983, 0.3839 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(186, 255, 206) }
```

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

```
.border{ border-color:rgb(186, 255, 206) }
```

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

Here you see how a box with a 4 pixel rgb(186, 255, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.4153, 0.2983, 0.3839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 206) }
```

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

```
.background{ background-color: rgb(186,  
255, 206) }
```

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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