

# Converting Colors

$Yxy(85.5776, 0.3091, 0.4068)$

Have a look what the booklet for  
Yxy(85.5776, 0.3091, 0.4068)  
contains.

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**Color**

**Yxy(85.5043, 0.3090, 0.4073)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAFFBA
RGB	186, 255, 186
RGB Percent	73%, 100%, 73%
CMY	0.2707, 0.0000, 0.2705
CMYK	0.27, 0.00, 0.27, 0.00
HSL	120°, 100%, 86%
HSV	120°, 27%, 100%
XYZ	64.8682, 85.5043, 59.5570
YIQ	226.5030, -18.9750, -36.0870

# Conversions

## Conversions Part 2

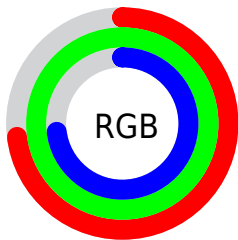
Format	Color
<b>RYB</b>	186, 255, 255
Decimal	12255162
CIELab	94.10, -34.35, 26.26
CIELCh	94, 43.241, 142.600
Yxy	85.5043, 0.3090, 0.4073
Android (android.graphics.Color)	4290445242 (0xFFBAFFBA)
YUV	226.5030, -19.9680, -35.5211
Hunter-Lab	92.4685, -36.5992, 26.5406

# Details

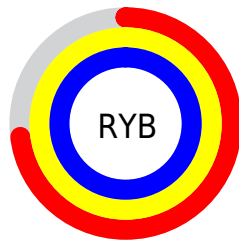
The Yxy color **85.5043, 0.3090, 0.4073** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.5771, 0.3159, 0.2614**, and the grayscale version is **76.5876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9855, 0.3127, 0.3418**, and **46.8794, 0.3074, 0.4273** is the 20% darker color. If you saturate the color by 10%, you get **81.5990, 0.3074, 0.4420**, and if you desaturate by 10%, it is **90.1658, 0.3105, 0.3754**.

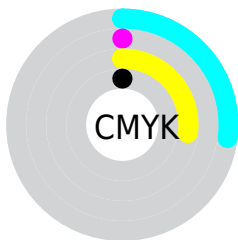
# Distribution



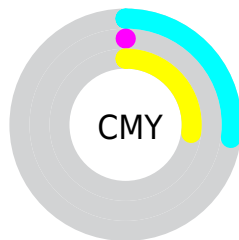
- Red (73%)
- Green (100%)
- Blue (73%)



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



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5043, 0.3090, 0.4073 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 85.5043, 0.3090, 0.4073 by changing the saturation by 10% instead.




 85.5043, 0.3090,  
0.4073

 85.5043, 0.3090,  
0.4073

513.2953, 0.3116,  
0.3704

 64.2582, 0.3082,  
0.4159


 141.0775, 0.3101,  
0.3944

 46.8598, 0.3071,  
0.4265


176.1734, 0.3105,  
0.3894

 32.9248, 0.3054,  
0.4401


216.6547, 0.3108,  
0.3851

 22.0689, 0.3030,  
0.4579

262.9057, 0.3110,  
0.3814

 13.9075, 0.2992,  
0.4823

315.3109, 0.3112,  
0.3781

 8.0564, 0.2925,  
0.5175

374.2546, 0.3114,

 4.1310, 0.2796,

0.3752

0.5719

440.1213, 0.3115,  
0.3727

■ 1.7471, 0.2697,  
0.7303

■ 0.4539, 0.0000,  
1.0000

■ 85.5043, 0.3090,  
0.4073

■ 85.5043, 0.3090,  
0.4073

■ 81.5990, 0.3074,  
0.4420

■ 90.1658, 0.3105,  
0.3754

■ 78.4195, 0.3057,  
0.4782

■ 95.6313, 0.3119,  
0.3470

■ 75.9180, 0.3040,  
0.5138

100.0000, 0.3127,  
0.3290

■ 74.0454, 0.3025,  
0.5460

■ 72.7458, 0.3013,  
0.5720

■ 71.9536, 0.3005,  
0.5897

■ 71.5851, 0.3001,  
0.5984

■ 71.5206, 0.3000,  
0.6000

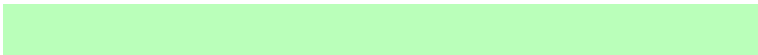
# Harmonies

## Analogous

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



85.5043, 0.3573, 0.4184



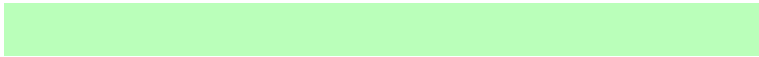
85.5043, 0.3090, 0.4073



85.5043, 0.2639, 0.3688

# Triad

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



85.5043, 0.3090, 0.4073



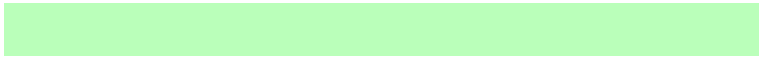
85.5043, 0.2338, 0.2549



85.5043, 0.3986, 0.3291

# Complementary

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



85.5043, 0.3090, 0.4073



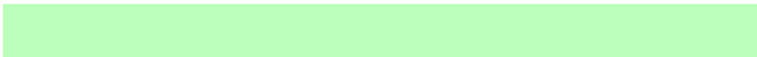
63.5771, 0.3159, 0.2614

# 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.



85.5043, 0.3603, 0.2924



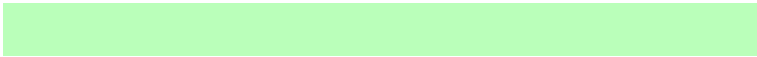
85.5043, 0.3090, 0.4073



85.5043, 0.2645, 0.2510

# Square

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



85.5043, 0.3090, 0.4073



85.5043, 0.2229, 0.2782



85.5043, 0.3102, 0.2647

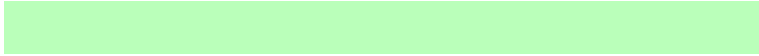


85.5043, 0.4114, 0.3683



# Rectangle

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



85.5043, 0.3090, 0.4073



85.5043, 0.2414, 0.3358



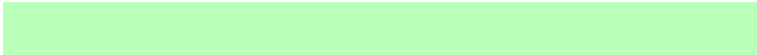
85.5043, 0.3102, 0.2647



85.5043, 0.3882, 0.3163

# Sweetspot

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



85.5009, 0.3090, 0.4073



95.0904, 0.3117, 0.3495



96.3236, 0.3538, 0.3969



20.1685, 0.3115, 0.3536



0.0000, 0.0000, 0.0000

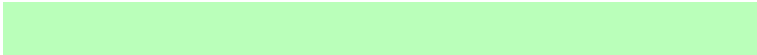


21.4041, 0.3127, 0.3290

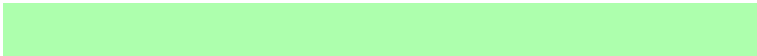


# Same Dimension

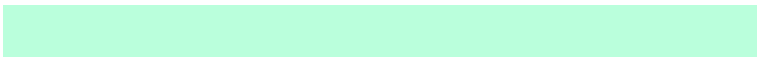
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5009, 0.3090, 0.4073



83.4859, 0.3082, 0.4241



87.1472, 0.2906, 0.3672



20.1685, 0.3115, 0.3536



37.3712, 0.3000, 0.5999



3.6388, 0.2999, 0.5998



# Inverse Universe

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



63.5771, 0.3159, 0.2614



58.5153, 0.3165, 0.2493



61.5546, 0.3426, 0.2939



18.3001, 0.3138, 0.3056



14.8726, 0.3212, 0.1543

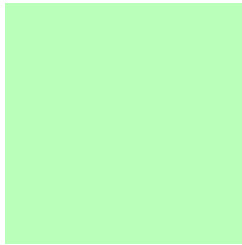


1.4482, 0.3211, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 85.5043, 0.3090, 0.4073 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 85.5043, 0.3090, 0.4073 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

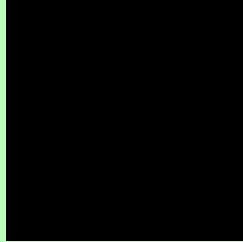
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

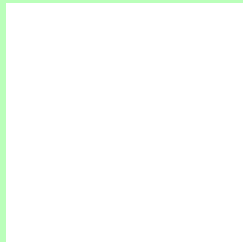
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.5043, 0.3090, 0.4073**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.5043, 0.3090, 0.4073.

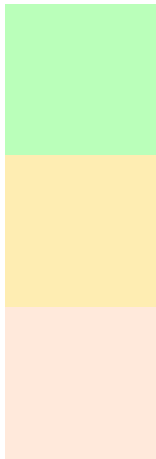


This preview shows how white text looks on a background with the Yxy color 85.5043, 0.3090, 0.4073.

# 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

85.5043, 0.3090, 0.4073

### Protanopia

84.8536, 0.3627, 0.3886

### Deuteranopia

84.6523, 0.3370, 0.3430



## **Tritanopia**

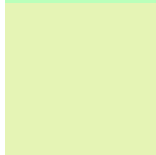
85.0204, 0.2877, 0.3155

# Trichromacy



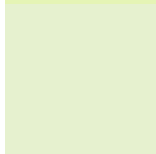
## Original Color

85.5043, 0.3090, 0.4073



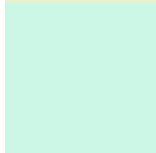
## Protanomaly

84.6956, 0.3413, 0.3959



## Deuteranomaly

84.2386, 0.3263, 0.3648



## Tritanomaly

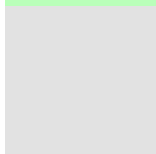
85.0721, 0.2957, 0.3473

# Monochromacy



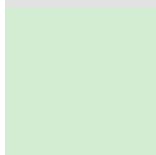
## Original Color

85.5043, 0.3090, 0.4073



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.1204, 0.3114, 0.3575

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.5043, 0.3090, 0.4073 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, 186)` looks like.

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

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, 186) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 85.5043, 0.3090, 0.4073 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, 186) }
```

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

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

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, 186) colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to Yxy 85.5043, 0.3090, 0.4073 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, 186) }
```

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

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

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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