

# Converting Colors

Yxy(84.6305, 0.3195, 0.4311)

Have a look what the booklet for  
Yxy(84.6305, 0.3195, 0.4311)  
contains.

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# Color

**Yxy(84.5875, 0.3191, 0.4308)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9FFA6
RGB	185, 255, 166
RGB Percent	73%, 100%, 65%
CMY	0.2744, 0.0000, 0.3490
CMYK	0.27, 0.00, 0.35, 0.00
HSL	107°, 100%, 83%
HSV	107°, 35%, 100%
XYZ	62.6552, 84.5875, 49.1071
YIQ	223.9240, -13.1510, -42.5190

# Conversions

## Conversions Part 2

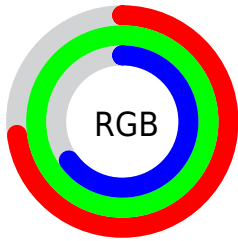
Format	Color
<a href="#">RYB</a>	<a href="#">166, 255, 236</a>
Decimal	<a href="#">12189606</a>
CIELab	<a href="#">93.71, -37.71, 35.77</a>
CIELCh	<a href="#">94, 51.979, 136.514</a>
Yxy	<a href="#">84.5875, 0.3191, 0.4308</a>
Android (android.graphics.Color)	<a href="#">4290379686</a> ( <a href="#">0xFFB9FFA6</a> )
YUV	<a href="#">223.9240, -28.5565, -34.1363</a>
Hunter-Lab	<a href="#">91.9715, -39.3476, 32.7228</a>

# Details

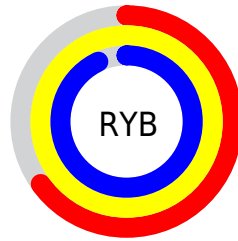
The Yxy color **84.5875, 0.3191, 0.4308** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.3296, 0.3015, 0.2381**, and the grayscale version is **74.7045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8486, 0.3244, 0.3619**, and **46.3262, 0.3188, 0.4561** is the 20% darker color. If you saturate the color by 10%, you get **81.4247, 0.3198, 0.4646**, and if you desaturate by 10%, it is **88.2941, 0.3177, 0.3984**.

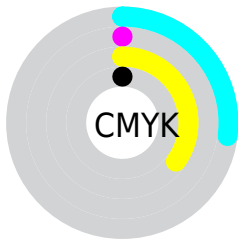
# Distribution



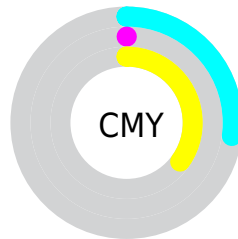
- Red (73%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (93%)



- Cyan (27%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5875, 0.3191, 0.4308 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 84.5875, 0.3191, 0.4308 by changing the saturation by 10% instead.





 84.5875, 0.3191,  
0.4308


 84.5875, 0.3191,  
0.4308


510.2621, 0.3178,  
0.3825

 63.5006, 0.3189,  
0.4420


 139.7967, 0.3190,  
0.4139

 46.2463, 0.3185,  
0.4560


 174.6878, 0.3189,  
0.4073

 32.4402, 0.3176,  
0.4737


214.9491, 0.3187,  
0.4017

 21.6980, 0.3158,  
0.4968

260.9650, 0.3185,  
0.3968

 13.6351, 0.3121,  
0.5282

313.1198, 0.3183,  
0.3926

 7.8673, 0.3044,  
0.5724


371.7980, 0.3182,


 4.0102, 0.2926,


0.3888


0.6496

437.3840, 0.3180,  
0.3855

 1.6793, 0.2369,  
0.7631

 0.4102, 0.0000,  
1.0000


 84.5875, 0.3191,  
0.4308


 84.5875, 0.3191,  
0.4308


 81.4247, 0.3198,  
0.4646


 88.2941, 0.3177,  
0.3984

 78.7702, 0.3196,  
0.4984

 92.5587, 0.3159,  
0.3684

 76.5996, 0.3184,  
0.5299

 97.4070, 0.3138,  
0.3412

 74.8820, 0.3160,  
0.5570

100.0000, 0.3127,  
0.3290

■ 73.5832, 0.3127,  
0.5775

■ 72.6628, 0.3087,  
0.5905

■ 72.3173, 0.3068,  
0.5946

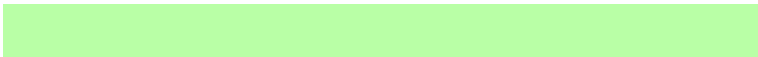
# Harmonies

## Analogous

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



84.5875, 0.3758, 0.4349



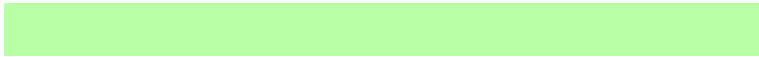
84.5875, 0.3191, 0.4308



84.5875, 0.2635, 0.3891

# Triad

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



84.5875, 0.3191, 0.4308



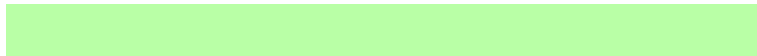
84.5875, 0.2147, 0.2442



84.5875, 0.4093, 0.3188

# Complementary

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



84.5875, 0.3191, 0.4308



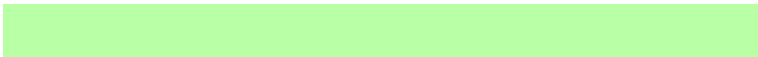
52.3296, 0.3015, 0.2381

# Split Complementary

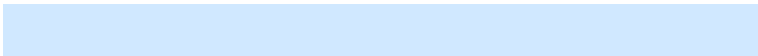
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5875, 0.3580, 0.2777



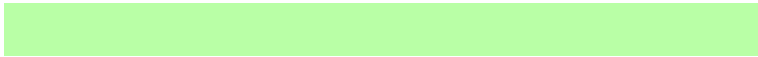
84.5875, 0.3191, 0.4308



84.5875, 0.2459, 0.2359

# Square

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



84.5875, 0.3191, 0.4308



84.5875, 0.2068, 0.2755



84.5875, 0.2971, 0.2483

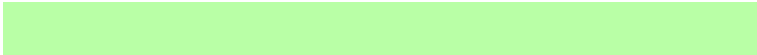


84.5875, 0.4315, 0.3647



# Rectangle

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



84.5875, 0.3191, 0.4308



84.5875, 0.2344, 0.3490



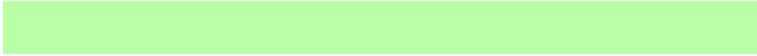
84.5875, 0.2971, 0.2483



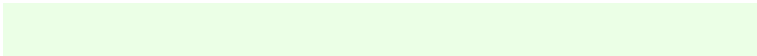
84.5875, 0.3946, 0.3042

# Sweetspot

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



84.5907, 0.3191, 0.4308



94.8582, 0.3149, 0.3547



83.8435, 0.3716, 0.3992



20.1592, 0.3152, 0.3585



0.0000, 0.0000, 0.0000

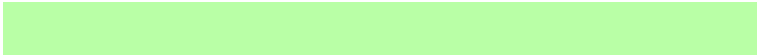


21.4041, 0.3127, 0.3290

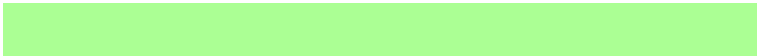


# Same Dimension

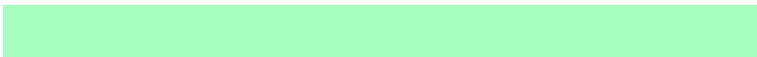
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5907, 0.3191, 0.4308



82.2878, 0.3197, 0.4548



83.4002, 0.2948, 0.4036



20.3551, 0.3148, 0.3533



37.8391, 0.3076, 0.5940



3.7290, 0.3147, 0.5883



# Inverse Universe

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



52.3296, 0.3015, 0.2381



45.5450, 0.2983, 0.2194



54.2391, 0.3374, 0.2647



18.0931, 0.3104, 0.3053



10.2946, 0.2672, 0.1246

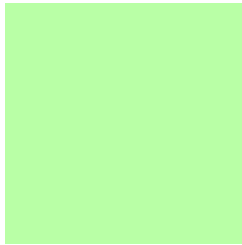


1.0488, 0.2736, 0.1281



# Previews

## White Background



This preview shows how the Yxy color 84.5875, 0.3191, 0.4308 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

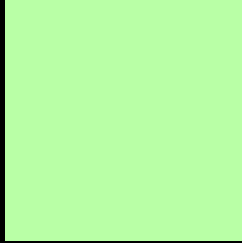
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.5875, 0.3191, 0.4308 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 84.5875, 0.3191, 0.4308**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.5875, 0.3191, 0.4308.

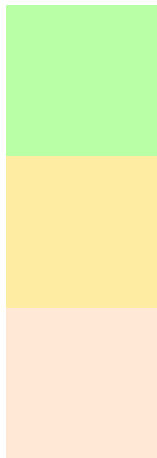


This preview shows how white text looks on a background with the Yxy color 84.5875, 0.3191, 0.4308.

# 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

84.5875, 0.3191, 0.4308

### Protanopia

83.8952, 0.3734, 0.4024

### Deuteranopia

83.7773, 0.3411, 0.3481



## Tritanopia

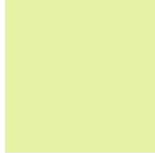
84.1276, 0.2865, 0.3144

# Trichromacy



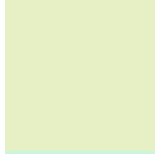
## Original Color

84.5875, 0.3191, 0.4308



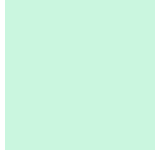
## Protanomaly

83.6045, 0.3525, 0.4129



## Deuteranomaly

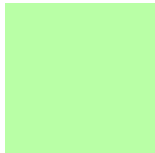
83.1287, 0.3333, 0.3757



## Tritanomaly

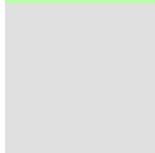
83.7958, 0.2984, 0.3540

# Monochromacy



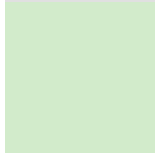
## Original Color

84.5875, 0.3191, 0.4308



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

77.4301, 0.3157, 0.3645

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.5875, 0.3191, 0.4308 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(185, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 166)  
}
```

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(185, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 84.5875, 0.3191, 0.4308 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(185, 255, 166) }
```

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

```
.border{ border-color:rgb(185, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.5875, 0.3191, 0.4308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 166) }
```

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

```
.background{ background-color: rgb(185,  
255, 166) }
```

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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