

# Converting Colors

$Yxy(85.1206, 0.3219, 0.4303)$

Have a look what the booklet for  
Yxy(85.1206, 0.3219, 0.4303)  
contains.

|  |    |
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# Color

**Yxy(85.0920, 0.3216, 0.4300)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | <code>BDFFA6</code>          |
| RGB         | 189, 255, 166                |
| RGB Percent | 74%, 100%, 65%               |
| CMY         | 0.2586, 0.0000, 0.3489       |
| CMYK        | 0.26, 0.00, 0.35, 0.00       |
| HSL         | 104°, 100%, 83%              |
| HSV         | 104°, 35%, 100%              |
| XYZ         | 63.6409, 85.0920, 49.1555    |
| YIQ         | 225.1200, -10.7670, -41.6710 |

# Conversions

## Conversions Part 2

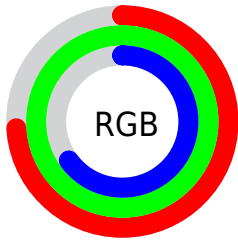
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">166, 255, 232</a>                    |
| Decimal                             | <a href="#">12451750</a>                         |
| CIELab                              | <a href="#">93.92, -36.38, 36.10</a>             |
| CIELCh                              | <a href="#">94, 51.249, 135.226</a>              |
| Yxy                                 | <a href="#">85.0920, 0.3216,<br/>0.4300</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4290641830<br/>(0xFFBDFFA6)</a>      |
| YUV                                 | <a href="#">225.1200, -29.1462,<br/>-31.6772</a> |
| Hunter-Lab                          | <a href="#">92.2453, -38.2805,<br/>32.9774</a>   |

# Details

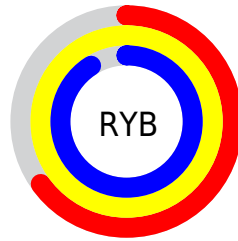
The Yxy color **85.0920, 0.3216, 0.4300** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.6484, 0.2983, 0.2372**, and the grayscale version is **75.6162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5681, 0.3270, 0.3617**, and **46.6488, 0.3219, 0.4549** is the 20% darker color. If you saturate the color by 10%, you get **81.9883, 0.3229, 0.4633**, and if you desaturate by 10%, it is **88.7034, 0.3195, 0.3980**.

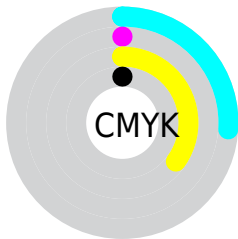
# Distribution



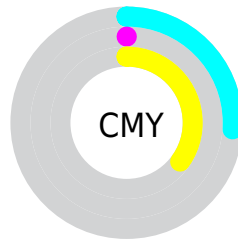
- Red (74%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (91%)



- Cyan (26%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0920, 0.3216, 0.4300 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 85.0920, 0.3216, 0.4300 by changing the saturation by 10% instead.





 85.0920, 0.3216,  
0.4300


 85.0920, 0.3216,  
0.4300

511.9324, 0.3192,  
0.3822

 63.9174, 0.3217,  
0.4411


 140.5017, 0.3211,  
0.4133

 46.5838, 0.3216,  
0.4548


 175.5056, 0.3208,  
0.4068

 32.7067, 0.3211,  
0.4722


215.8881, 0.3205,  
0.4012

 21.9019, 0.3198,  
0.4949

262.0335, 0.3202,  
0.3964

 13.7848, 0.3168,  
0.5256

314.3262, 0.3199,  
0.3922

 7.9712, 0.3101,  
0.5687


373.1507, 0.3197,


 4.0765, 0.2999,


0.3885


0.6433


438.8913, 0.3194,  
0.3852


 1.7164, 0.2515,  
0.7485


 0.4343, 0.0000,  
1.0000


 85.0920, 0.3216,  
0.4300


 85.0920, 0.3216,  
0.4300


 81.9883, 0.3229,  
0.4633


 88.7034, 0.3195,  
0.3980

 79.3584, 0.3232,  
0.4965

 92.8331, 0.3170,  
0.3682

 77.1807, 0.3223,  
0.5275

 97.5051, 0.3142,  
0.3412

 75.4279, 0.3200,  
0.5542

99.9956, 0.3127,  
0.3290

■ 74.0689, 0.3165,  
0.5747

■ 73.0679, 0.3120,  
0.5879

■ 72.6746, 0.3097,  
0.5923

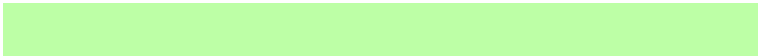
# Harmonies

## Analogous

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



85.0920, 0.3772, 0.4327



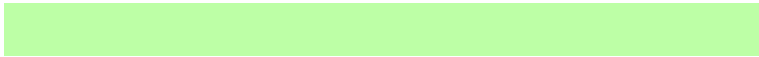
85.0920, 0.3216, 0.4300



85.0920, 0.2664, 0.3905

# Triad

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



85.0920, 0.3216, 0.4300



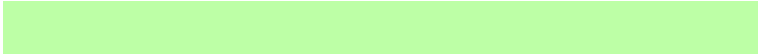
85.0920, 0.2153, 0.2463



85.0920, 0.4060, 0.3171

# Complementary

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



85.0920, 0.3216, 0.4300



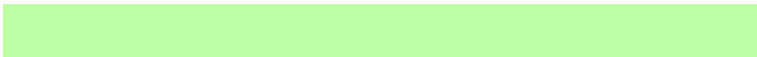
51.6484, 0.2983, 0.2372

# Split Complementary

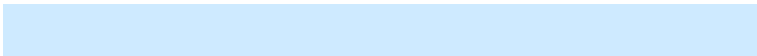
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0920, 0.3547, 0.2769



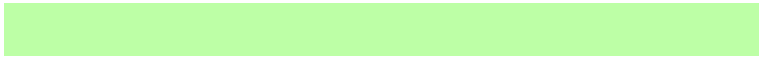
85.0920, 0.3216, 0.4300



85.0920, 0.2452, 0.2372

# Square

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



85.0920, 0.3216, 0.4300



85.0920, 0.2085, 0.2783



85.0920, 0.2949, 0.2485

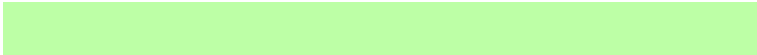


85.0920, 0.4294, 0.3624



# Rectangle

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



85.0920, 0.3216, 0.4300



85.0920, 0.2372, 0.3513



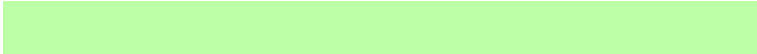
85.0920, 0.2949, 0.2485



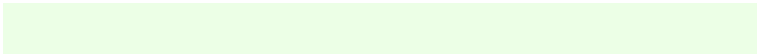
85.0920, 0.3912, 0.3028

# Sweetspot

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



85.0957, 0.3216, 0.4300



95.0555, 0.3156, 0.3546



81.3142, 0.3730, 0.3951



20.2066, 0.3160, 0.3585



0.0000, 0.0000, 0.0000

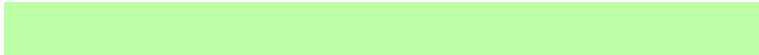


21.4041, 0.3127, 0.3290

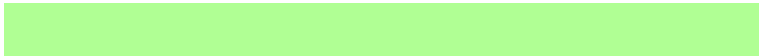


# Same Dimension

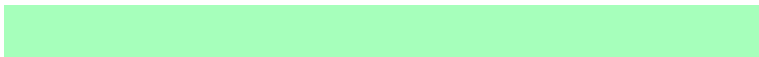
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0957, 0.3216, 0.4300



82.8419, 0.3226, 0.4536



83.2034, 0.2971, 0.4091



20.3954, 0.3155, 0.3533



38.0366, 0.3107, 0.5915



3.7533, 0.3184, 0.5854



# Inverse Universe

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



51.6484, 0.2983, 0.2372



44.7434, 0.2943, 0.2181



54.4927, 0.3336, 0.2606



18.0498, 0.3096, 0.3053



9.4998, 0.2560, 0.1184

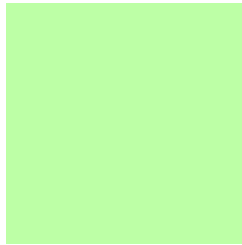


0.9775, 0.2637, 0.1226



# Previews

## White Background



This preview shows how the Yxy color 85.0920, 0.3216, 0.4300 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 85.0920, 0.3216, 0.4300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

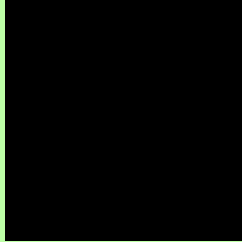
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.0920, 0.3216, 0.4300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.0920, 0.3216, 0.4300.

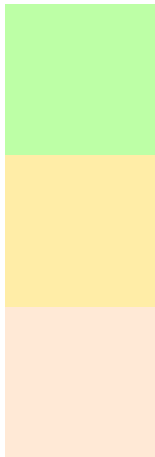


This preview shows how white text looks on a background with the Yxy color 85.0920, 0.3216, 0.4300.

# 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

85.0920, 0.3216, 0.4300

### Protanopia

84.6184, 0.3705, 0.3994

### Deuteranopia

84.3929, 0.3403, 0.3481



## Tritanopia

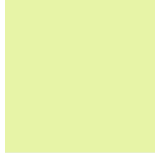
84.5777, 0.2883, 0.3145

# Trichromacy



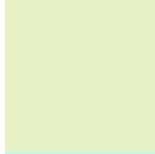
## Original Color

85.0920, 0.3216, 0.4300



## Protanomaly

84.4803, 0.3512, 0.4105



## Deuteranomaly

83.9307, 0.3333, 0.3755



## Tritanomaly

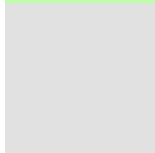
84.3611, 0.3009, 0.3539

# Monochromacy



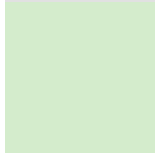
## Original Color

85.0920, 0.3216, 0.4300



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

78.3476, 0.3164, 0.3643

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.0920, 0.3216, 0.4300 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(189, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 85.0920, 0.3216, 0.4300 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(189, 255, 166) }
```

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

```
.border{ border-color:rgb(189, 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(189, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.0920, 0.3216, 0.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 166) }
```

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

```
.background{ background-color: rgb(189,  
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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