

# Converting Colors

$Yxy(84.0219, 0.3247, 0.4187)$

Have a look what the booklet for  
Yxy(84.0219, 0.3247, 0.4187)  
contains.

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# Color

**Yxy(83.9404, 0.3251, 0.4189)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6FBAB
RGB	198, 251, 171
RGB Percent	78%, 98%, 67%
CMY	0.2234, 0.0157, 0.3294
CMYK	0.21, 0.00, 0.32, 0.02
HSL	100°, 91%, 83%
HSV	100°, 32%, 98%
XYZ	65.1445, 83.9404, 51.2980
YIQ	226.0330, -5.9080, -36.1160

# Conversions

## Conversions Part 2

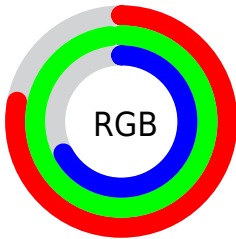
Format	Color
<a href="#">RYB</a>	<a href="#">171, 251, 224</a>
Decimal	<a href="#">13040555</a>
CIELab	<a href="#">93.42, -30.82, 33.04</a>
CIElCh	<a href="#">93, 45.179, 133.006</a>
Yxy	<a href="#">83.9404, 0.3251, 0.4189</a>
Android (android.graphics.Color)	<a href="#">4291230635</a> ( <a href="#">0xFFC6FBAB</a> )
YUV	<a href="#">226.0330, -27.1313, -24.5849</a>
Hunter-Lab	<a href="#">91.6190, -33.4132, 30.9365</a>

# Details

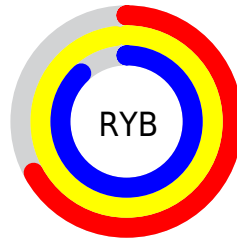
The Yxy color **83.9404, 0.3251, 0.4189** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.9337, 0.2949, 0.2443**, and the grayscale version is **76.2889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **45.7312, 0.3265, 0.4406** is the 20% darker color. If you saturate the color by 10%, you get **80.9397, 0.3278, 0.4510**, and if you desaturate by 10%, it is **87.3778, 0.3216, 0.3882**.

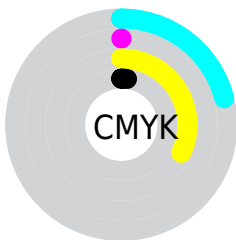
# Distribution



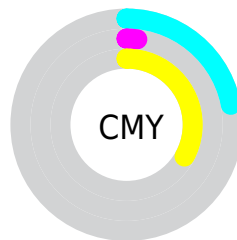
- Red (78%)
- Green (98%)
- Blue (67%)



- Red (67%)
- Yellow (98%)
- Blue (88%)



- Cyan (21%)
- Magenta (0%)
- Yellow (32%)
- Black (2%)




- Cyan (22%)
- Magenta (2%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9404, 0.3251, 0.4189 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 83.9404, 0.3251, 0.4189 by changing the saturation by 10% instead.





 83.9404, 0.3251,  
0.4189

 83.9404, 0.3251,  
0.4189

508.1153, 0.3207,  
0.3765

 62.9662, 0.3257,  
0.4287


 138.8918, 0.3239,  
0.4041

 45.8139, 0.3263,  
0.4408


173.6378, 0.3233,  
0.3983

 32.0990, 0.3268,  
0.4562


213.7433, 0.3228,  
0.3934

 21.4371, 0.3268,  
0.4764

259.5925, 0.3223,  
0.3891

 13.4439, 0.3259,  
0.5036

311.5699, 0.3219,  
0.3854

 7.7349, 0.3224,  
0.5421


370.0599, 0.3215,


 3.9258, 0.3156,


0.3821


0.6052


435.4469, 0.3211,  
0.3791

 1.6321, 0.2880,  
0.7120

 0.3791, 0.0000,  
1.0000


 83.9404, 0.3251,  
0.4189


 83.9404, 0.3251,  
0.4189


 80.9397, 0.3278,  
0.4510


 87.3778, 0.3216,  
0.3882

 78.3467, 0.3295,  
0.4833

 91.2582, 0.3177,  
0.3596

 76.1451, 0.3298,  
0.5141

 95.6012, 0.3135,  
0.3336

 74.3134, 0.3284,  
0.5415

 97.4723, 0.3129,  
0.3252

■ 72.8276, 0.3253,  
0.5635

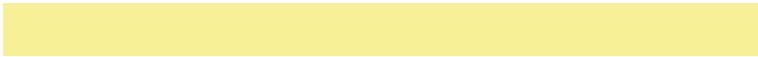
■ 71.6599, 0.3207,  
0.5789

■ 70.9157, 0.3164,  
0.5870

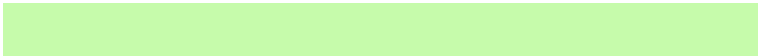
# Harmonies

## Analogous

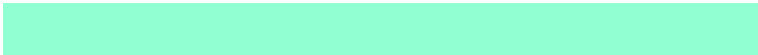
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9404, 0.3739, 0.4200



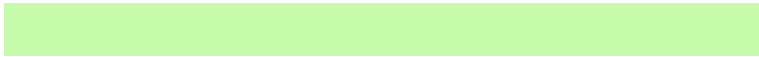
83.9404, 0.3251, 0.4189



83.9404, 0.2753, 0.3864

# Triad

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



83.9404, 0.3251, 0.4189



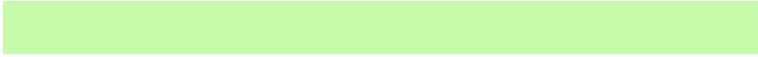
83.9404, 0.2241, 0.2568



83.9404, 0.3926, 0.3160

# Complementary

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



83.9404, 0.3251, 0.4189



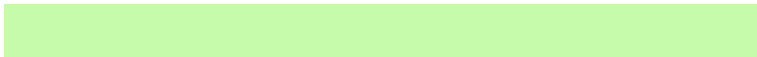
51.9337, 0.2949, 0.2443

# Split Complementary

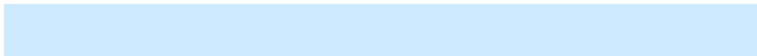
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.9404, 0.3463, 0.2801



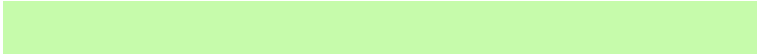
83.9404, 0.3251, 0.4189



83.9404, 0.2498, 0.2466

# Square

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



83.9404, 0.3251, 0.4189



83.9404, 0.2197, 0.2875



83.9404, 0.2935, 0.2554

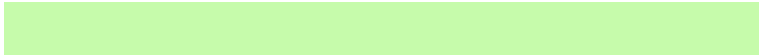


83.9404, 0.4156, 0.3569

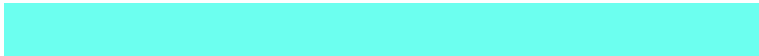


# Rectangle

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



83.9404, 0.3251, 0.4189



83.9404, 0.2481, 0.3529



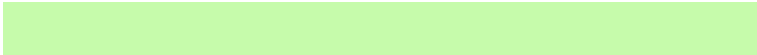
83.9404, 0.2935, 0.2554



83.9404, 0.3790, 0.3032

# Sweetspot

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



83.9440, 0.3251, 0.4189



95.4027, 0.3169, 0.3545



76.2243, 0.3692, 0.3828



20.2902, 0.3175, 0.3583



0.0000, 0.0000, 0.0000

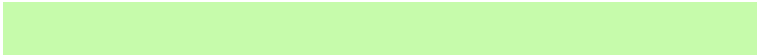


21.4041, 0.3127, 0.3290

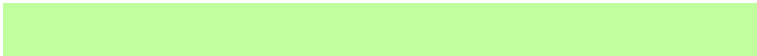


# Same Dimension

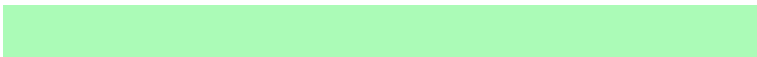
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9440, 0.3251, 0.4189



85.0489, 0.3269, 0.4386



81.0699, 0.3019, 0.4090



19.5942, 0.3167, 0.3532



37.3487, 0.3175, 0.5861



3.5149, 0.3265, 0.5790



# Inverse Universe

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



51.9337, 0.2949, 0.2443



47.2770, 0.2904, 0.2269



55.8683, 0.3259, 0.2604



17.2137, 0.3084, 0.3052



8.0154, 0.2372, 0.1080

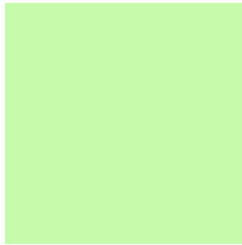


0.8006, 0.2472, 0.1136



# Previews

## White Background



This preview shows how the Yxy color 83.9404, 0.3251, 0.4189 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

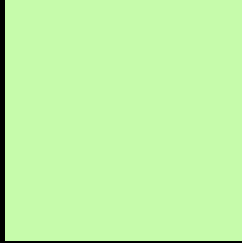
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.9404, 0.3251, 0.4189 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

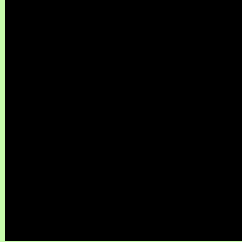
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

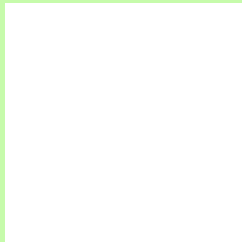
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.9404, 0.3251, 0.4189**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.9404, 0.3251, 0.4189.

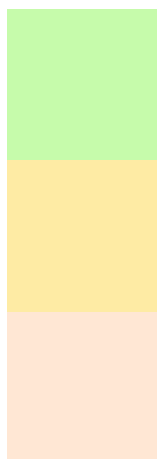


This preview shows how white text looks on a background with the Yxy color 83.9404, 0.3251, 0.4189.

# 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

83.9404, 0.3251, 0.4189

### Protanopia

83.1678, 0.3724, 0.4007

### Deuteranopia

83.1653, 0.3420, 0.3481



## Tritanopia

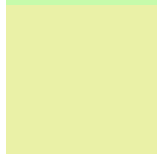
83.5519, 0.2888, 0.3124

# Trichromacy



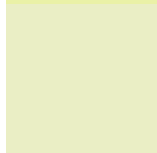
## Original Color

83.9404, 0.3251, 0.4189



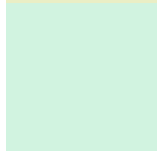
## Protanomaly

83.1930, 0.3541, 0.4071



## Deuteranomaly

82.6727, 0.3358, 0.3722



## Tritanomaly

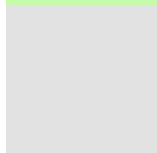
83.0383, 0.3022, 0.3495

# Monochromacy



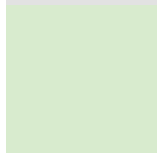
## Original Color

83.9404, 0.3251, 0.4189



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

78.4718, 0.3180, 0.3607

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.9404, 0.3251, 0.4189 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(198, 251, 171)` looks like.

```
.text, #text, p{  
    color:rgb(198, 251, 171)  
}
```

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(198, 251, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 251, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 83.9404, 0.3251, 0.4189 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(198, 251, 171) }
```

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

```
.border{ border-color:rgb(198, 251, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 251, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 251, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 251, 171); box-shadow:4px 4px 4px 4px rgb(198, 251, 171) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.9404, 0.3251, 0.4189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 251, 171) }
```

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

```
.background{ background-color: rgb(198,  
251, 171) }
```

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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