

# Converting Colors

Yxy(83.2198, 0.3439, 0.4836)

Have a look what the booklet for  
Yxy(83.2198, 0.3439, 0.4836)  
contains.

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# Color

**Yxy(83.2435, 0.3438, 0.4833)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAFF75
RGB	186, 255, 117
RGB Percent	73%, 100%, 46%
CMY	0.2707, 0.0000, 0.5411
CMYK	0.27, 0.00, 0.54, 0.00
HSL	90°, 100%, 73%
HSV	90°, 54%, 100%
XYZ	59.2160, 83.2435, 29.7803
YIQ	218.6370, 3.1740, -57.5460

# Conversions

## Conversions Part 2

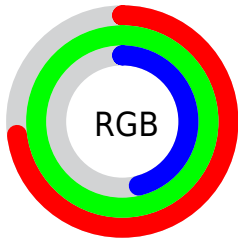
Format	Color
<a href="#">RYB</a>	<a href="#">117, 255, 186</a>
Decimal	<a href="#">12255093</a>
CIELab	<a href="#">93.12, -43.31, 58.32</a>
CIELCh	<a href="#">93, 72.638, 126.599</a>
Yxy	<a href="#">83.2435, 0.3438, 0.4833</a>
Android (android.graphics.Color)	<a href="#">4290445173 (0xFFBAFF75)</a>
YUV	<a href="#">218.6370, -50.1070, -28.6226</a>
Hunter-Lab	<a href="#">91.2379, -43.8146, 44.5141</a>

# Details

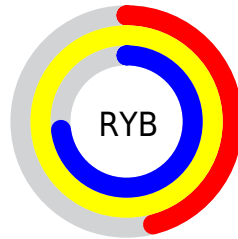
The Yxy color **83.2435, 0.3438, 0.4833** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **30.3914, 0.2580, 0.1755**, and the grayscale version is **70.9202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9110, 0.3552, 0.4125**, and **45.4031, 0.3452, 0.5204** is the 20% darker color. If you saturate the color by 10%, you get **81.1930, 0.3457, 0.5109**, and if you desaturate by 10%, it is **85.5935, 0.3400, 0.4536**.

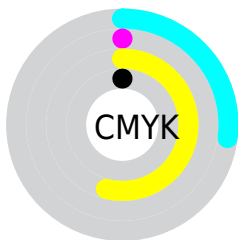
# Distribution



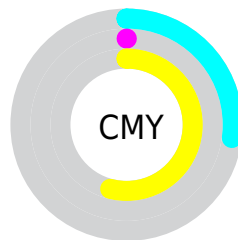
- Red (73%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (73%)



- Cyan (27%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2435, 0.3438, 0.4833 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 83.2435, 0.3438, 0.4833 by changing the saturation by 10% instead.





 83.2435, 0.3438,  
0.4833

 83.2435, 0.3438,  
0.4833

505.7977, 0.3340,  
0.4104


 62.3910, 0.3447,  
0.4997


 137.9165, 0.3414,  
0.4581

 45.3487, 0.3451,  
0.5198


 172.5057, 0.3402,  
0.4482

 31.7322, 0.3443,  
0.5444


 212.4428, 0.3390,  
0.4397

 21.1570, 0.3413,  
0.5753

258.1119, 0.3379,  
0.4323

 13.2388, 0.3337,  
0.6139

309.8976, 0.3368,  
0.4258

 7.5932, 0.3236,  
0.6764

368.1842, 0.3358,


 3.8358, 0.2806,

0.4201

0.7194


433.3561, 0.3348,  
0.4150


 1.5821, 0.1697,  
0.8303


 0.3455, 0.0000,  
1.0000


 83.2435, 0.3438,  
0.4833


 83.2435, 0.3438,  
0.4833

 81.1930, 0.3457,  
0.5109


 85.5935, 0.3400,  
0.4536

 79.4344, 0.3456,  
0.5347

 88.2684, 0.3349,  
0.4233


 77.9448, 0.3431,  
0.5536

 91.2794, 0.3289,  
0.3936

 76.7008, 0.3385,  
0.5666

 94.6397, 0.3223,  
0.3654

 76.0652, 0.3352,  
0.5720

 98.3620, 0.3155,  
0.3391

100.0000, 0.3127,  
0.3290

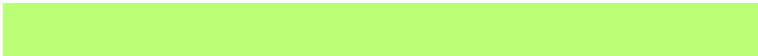
# Harmonies

## Analogous

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



83.2435, 0.4178, 0.4639



83.2435, 0.3438, 0.4833



83.2435, 0.2657, 0.4421

# Triad

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



83.2435, 0.3438, 0.4833



83.2435, 0.1750, 0.2227



83.2435, 0.4279, 0.2934

# Complementary

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



83.2435, 0.3438, 0.4833



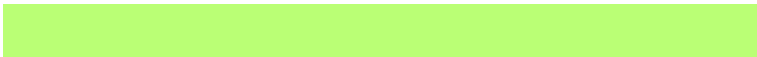
30.3914, 0.2580, 0.1755

# 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.



83.2435, 0.3463, 0.2448



83.2435, 0.3438, 0.4833



83.2435, 0.2051, 0.2047

# Square

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



83.2435, 0.3438, 0.4833



83.2435, 0.1743, 0.2728



83.2435, 0.2642, 0.2134

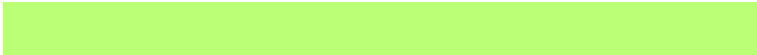


83.2435, 0.4742, 0.3513



# Rectangle

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



83.2435, 0.3438, 0.4833



83.2435, 0.2220, 0.3860



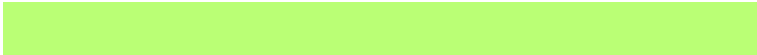
83.2435, 0.2642, 0.2134



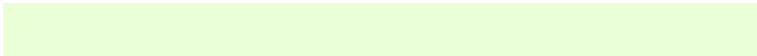
83.2435, 0.4029, 0.2757

# Sweetspot

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



83.2403, 0.3438, 0.4833



93.9776, 0.3235, 0.3706



57.6662, 0.4295, 0.3994



19.9637, 0.3249, 0.3763



0.0000, 0.0000, 0.0000

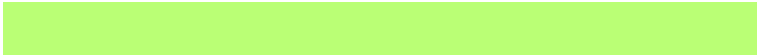


21.4041, 0.3127, 0.3290



# Same Dimension

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



83.2403, 0.3438, 0.4833



81.0252, 0.3458, 0.5132



76.5878, 0.3045, 0.5036



20.6140, 0.3192, 0.3530



39.8345, 0.3364, 0.5711



3.9435, 0.3450, 0.5643



# Inverse Universe

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



30.3914, 0.2580, 0.1755



23.1963, 0.2435, 0.1459



41.2066, 0.3188, 0.2001



17.8241, 0.3058, 0.3050



6.2419, 0.2021, 0.0887

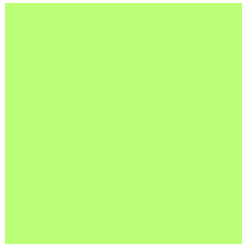


0.6727, 0.2144, 0.0955



# Previews

## White Background



This preview shows how the Yxy color 83.2435, 0.3438, 0.4833 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

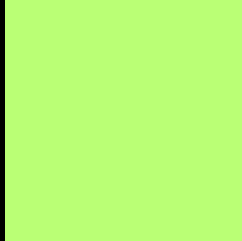
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.2435, 0.3438, 0.4833 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

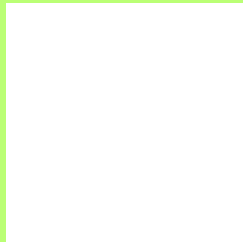
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.2435, 0.3438, 0.4833**

## Background



This preview shows how black text looks on a background with the Yxy color 83.2435, 0.3438, 0.4833.

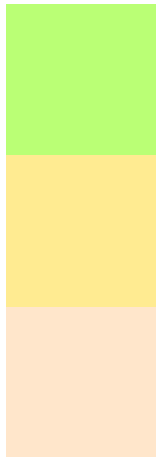


This preview shows how white text looks on a background with the Yxy color 83.2435, 0.3438, 0.4833.

# 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

83.2435, 0.3438, 0.4833

### Protanopia

82.7210, 0.3851, 0.4188

### Deuteranopia

82.1654, 0.3483, 0.3563



## Tritanopia

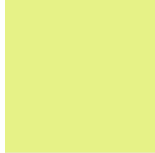
82.8019, 0.2858, 0.3122

# Trichromacy



## Original Color

83.2435, 0.3438, 0.4833



## Protanomaly

82.0765, 0.3697, 0.4413



## Deuteranomaly

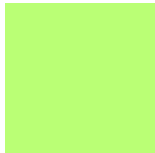
81.5346, 0.3486, 0.4006



## Tritanomaly

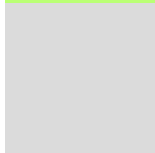
82.2692, 0.3087, 0.3734

# Monochromacy



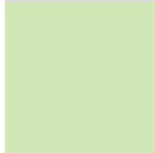
## Original Color

83.2435, 0.3438, 0.4833



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

74.3560, 0.3271, 0.3859

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.2435, 0.3438, 0.4833 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 83.2435, 0.3438, 0.4833 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, 117) }
```

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

```
.border{ border-color:rgb(186, 255, 117) }
```

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, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 255, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 255, 117); box-shadow:4px 4px 4px 4px rgb(186, 255, 117) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.2435, 0.3438, 0.4833 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, 117) }
```

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

```
.background{ background-color: rgb(186,  
255, 117) }
```

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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