

# Converting Colors

$Yxy(95.8197, 0.3155, 0.4555)$

Have a look what the booklet for  
Yxy(95.8197, 0.3155, 0.4555)  
contains.

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# Color

**Yxy(83.4052, 0.3173, 0.4394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1FFA0
RGB	177, 255, 160
RGB Percent	69%, 100%, 63%
CMY	0.3061, 0.0000, 0.3725
CMYK	0.31, 0.00, 0.37, 0.00
HSL	109°, 100%, 81%
HSV	109°, 37%, 100%
XYZ	60.2287, 83.4052, 46.1823
YIQ	220.8480, -15.9930, -46.0810

# Conversions

## Conversions Part 2

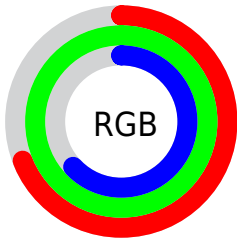
Format	Color
<a href="#">RYB</a>	<a href="#">160, 255, 238</a>
Decimal	<a href="#">11665312</a>
CIELab	<a href="#">93.19, -41.19, 37.99</a>
CIElCh	<a href="#">93, 56.037, 137.313</a>
Yxy	<a href="#">83.4052, 0.3173, 0.4394</a>
Android (android.graphics.Color)	<a href="#">4289855392 (0xFFB1FFA0)</a>
YUV	<a href="#">220.8480, -29.9981, -38.4547</a>
Hunter-Lab	<a href="#">91.3264, -42.1028, 33.9465</a>

# Details

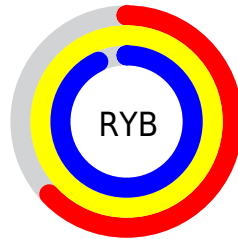
The Yxy color **83.4052, 0.3173, 0.4394** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.5484, 0.3032, 0.2326**, and the grayscale version is **72.4062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1400, 0.3228, 0.3687**, and **45.5147, 0.3158, 0.4677** is the 20% darker color. If you saturate the color by 10%, you get **80.3236, 0.3174, 0.4738**, and if you desaturate by 10%, it is **87.0367, 0.3166, 0.4062**.

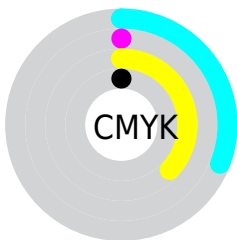
# Distribution



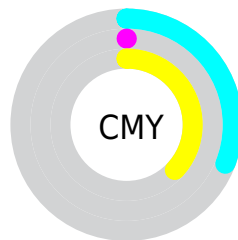
- Red (69%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (93%)



- Cyan (31%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4052, 0.3173, 0.4394 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 83.4052, 0.3173, 0.4394 by changing the saturation by 10% instead.




 83.4052, 0.3173,  
0.4394


 83.4052, 0.3173,  
0.4394


506.3360, 0.3171,  
0.3867

 62.5245, 0.3168,  
0.4517


 138.1428, 0.3177,  
0.4209

 45.4566, 0.3159,  
0.4670


 172.7685, 0.3177,  
0.4137

 31.8172, 0.3144,  
0.4865


212.7447, 0.3176,  
0.4076

 21.2219, 0.3116,  
0.5120

258.4557, 0.3176,  
0.4023

 13.2863, 0.3063,  
0.5465

310.2859, 0.3175,  
0.3977

 7.6260, 0.2959,  
0.5951


368.6198, 0.3174,


 3.8566, 0.2840,


0.3936


0.6911


433.8416, 0.3172,  
0.3899

 1.5937, 0.1936,  
0.8064

 0.3533, 0.0000,  
1.0000


 83.4052, 0.3173,  
0.4394

 83.4052, 0.3173,  
0.4394


 80.3236, 0.3174,  
0.4738


 87.0367, 0.3166,  
0.4062

 77.7795, 0.3167,  
0.5076

 91.2607, 0.3154,  
0.3753

 75.7367, 0.3150,  
0.5387

 96.0963, 0.3139,  
0.3474

 74.1607, 0.3125,  
0.5645

100.0000, 0.3127,  
0.3290

■ 73.0126, 0.3093,  
0.5832

■ 72.2458, 0.3057,  
0.5941

■ 72.0893, 0.3049,  
0.5961

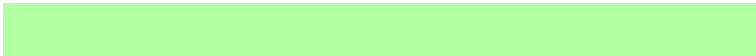
# Harmonies

## Analogous

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



83.4052, 0.3787, 0.4440



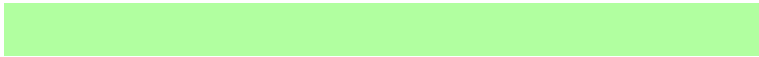
83.4052, 0.3173, 0.4394



83.4052, 0.2578, 0.3929

# Triad

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



83.4052, 0.3173, 0.4394



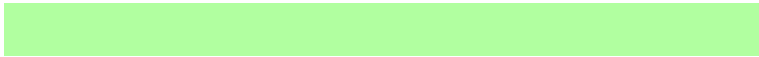
83.4052, 0.2082, 0.2371



83.4052, 0.4185, 0.3188

# Complementary

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



83.4052, 0.3173, 0.4394



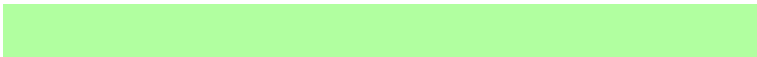
50.5484, 0.3032, 0.2326

# Split Complementary

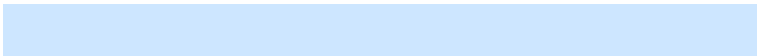
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4052, 0.3633, 0.2749



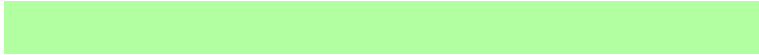
83.4052, 0.3173, 0.4394



83.4052, 0.2419, 0.2293

# Square

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



83.4052, 0.3173, 0.4394



83.4052, 0.1990, 0.2696



83.4052, 0.2973, 0.2432

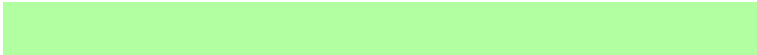


83.4052, 0.4413, 0.3678



# Rectangle

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



83.4052, 0.3173, 0.4394



83.4052, 0.2272, 0.3485



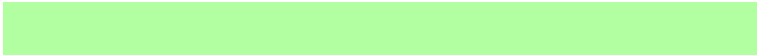
83.4052, 0.2973, 0.2432



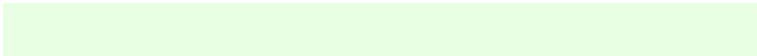
83.4052, 0.4028, 0.3032

# Sweetspot

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



83.3998, 0.3173, 0.4394



94.2116, 0.3145, 0.3575



84.7052, 0.3748, 0.4068



20.0238, 0.3147, 0.3612



0.0000, 0.0000, 0.0000

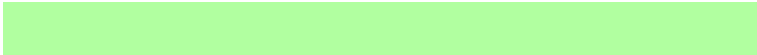


21.4041, 0.3127, 0.3290

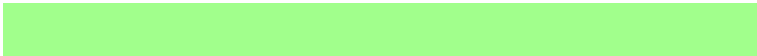


# Same Dimension

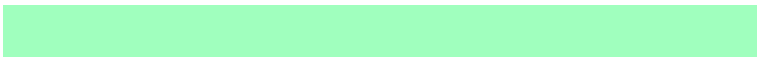
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3998, 0.3173, 0.4394



80.9694, 0.3174, 0.4660



82.7153, 0.2922, 0.4057



20.3239, 0.3143, 0.3534



37.7130, 0.3056, 0.5956



3.7124, 0.3121, 0.5904



# Inverse Universe

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



50.5484, 0.3032, 0.2326



43.6307, 0.3004, 0.2128



51.8344, 0.3423, 0.2633



18.1268, 0.3109, 0.3054



10.9533, 0.2760, 0.1294

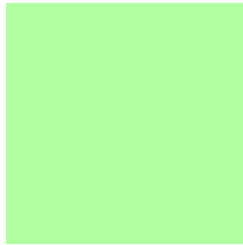


1.1074, 0.2814, 0.1324



# Previews

## White Background



This preview shows how the Yxy color 83.4052, 0.3173, 0.4394 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 83.4052, 0.3173, 0.4394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

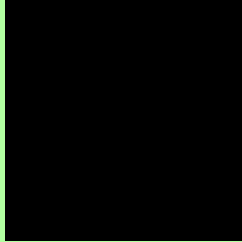
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.4052, 0.3173, 0.4394**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.4052, 0.3173, 0.4394.

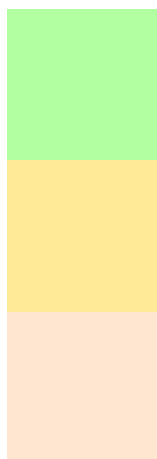


This preview shows how white text looks on a background with the Yxy color 83.4052, 0.3173, 0.4394.

# 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

83.4052, 0.3173, 0.4394

### Protanopia

82.3726, 0.3811, 0.4113

### Deuteranopia

82.4077, 0.3449, 0.3512



## Tritanopia

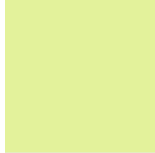
82.6620, 0.2829, 0.3132

# Trichromacy



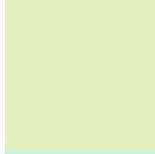
## Original Color

83.4052, 0.3173, 0.4394



## Protanomaly

82.2017, 0.3560, 0.4220



## Deuteranomaly

81.8255, 0.3345, 0.3805



## Tritanomaly

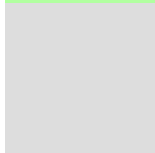
82.0742, 0.2958, 0.3567

# Monochromacy



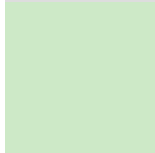
## Original Color

83.4052, 0.3173, 0.4394



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

75.3805, 0.3150, 0.3674

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.4052, 0.3173, 0.4394 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(177, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 160)  
}
```

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(177, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 83.4052, 0.3173, 0.4394 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(177, 255, 160) }
```

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

```
.border{ border-color:rgb(177, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.4052, 0.3173, 0.4394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 160) }
```

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

```
.background{ background-color: rgb(177,  
255, 160) }
```

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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