

Converting Colors

$Y_{xy}(83.7508, 0.3534, 0.4474)$

Have a look what the booklet for
Yxy(83.7508, 0.3534, 0.4474)
contains.

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Color

Yxy(83.9116, 0.3538, 0.4480)

Conversions

Conversions Part 1

Format	Color
Hex	D6F98B
RGB	214, 249, 139
RGB Percent	84%, 98%, 55%
CMY	0.1608, 0.0235, 0.4550
CMYK	0.14, 0.00, 0.44, 0.02
HSL	79°, 90%, 76%
HSV	79°, 44%, 98%
XYZ	66.2677, 83.9116, 37.1234
YIQ	225.9950, 14.4500, -41.6300

Conversions

Conversions Part 2

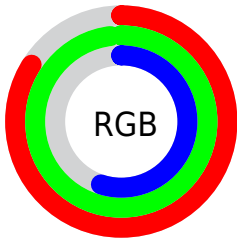
Format	Color
RYB	139, 249, 174
Decimal	14088587
CIELab	93.41, -28.24, 48.92
CIELCh	93, 56.488, 119.998
Yxy	83.9116, 0.3538, 0.4480
Android (android.graphics.Color)	4292278667 (0xFFD6F98B)
YUV	225.9950, -42.8885, -10.5196
Hunter-Lab	91.6033, -31.1752, 40.0943

Details

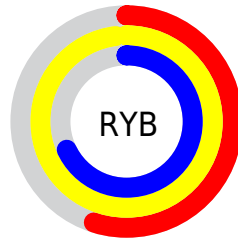
The Yxy color **83.9116, 0.3538, 0.4480** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.2980, 0.2545, 0.1994**, and the grayscale version is **76.3595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6750, 0.3490, 0.3890**, and **45.5393, 0.3596, 0.4756** is the 20% darker color. If you saturate the color by 10%, you get **82.1054, 0.3607, 0.4746**, and if you desaturate by 10%, it is **85.9490, 0.3455, 0.4202**.

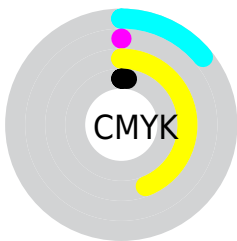
Distribution



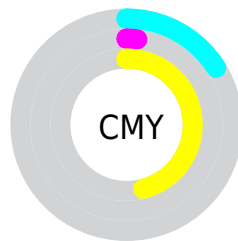
- Red (84%)
- Green (98%)
- Blue (55%)



- Red (55%)
- Yellow (98%)
- Blue (68%)



- Cyan (14%)
- Magenta (0%)
- Yellow (44%)
- Black (2%)





- Cyan (16%)
- Magenta (2%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9116, 0.3538, 0.4480 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 83.9116, 0.3538, 0.4480 by changing the saturation by 10% instead.

 83.9116, 0.3538,
0.4480


 83.9116, 0.3538,
0.4480


508.0196, 0.3376,
0.3926


 62.9425, 0.3567,
0.4604


 138.8515, 0.3488,
0.4289

 45.7947, 0.3597,
0.4755


 173.5911, 0.3467,
0.4214

 32.0838, 0.3628,
0.4943


 213.6895, 0.3448,
0.4150

 21.4255, 0.3656,
0.5179

259.5313, 0.3431,
0.4094

 13.4354, 0.3669,
0.5481

311.5009, 0.3415,
0.4044

 7.7290, 0.3651,
0.5886

369.9825, 0.3401,

 3.9221, 0.3552,

0.4000

0.6448

435.3606, 0.3388,
0.3961

1.6301, 0.3069,
0.6931

0.3777, 0.0000,
1.0000

83.9116, 0.3538,
0.4480

83.9116, 0.3538,
0.4480

82.1054, 0.3607,
0.4746

85.9490, 0.3455,
0.4202

80.5070, 0.3656,
0.4987


88.2175, 0.3362,
0.3922


79.1063, 0.3681,
0.5190


90.7311, 0.3265,
0.3651


77.8878, 0.3681,
0.5347

93.4994, 0.3168,
0.3393

 76.8322, 0.3656,
0.5454

 95.9725, 0.3121,
0.3233

 76.2775, 0.3633,
0.5497

 96.2346, 0.3130,
0.3233

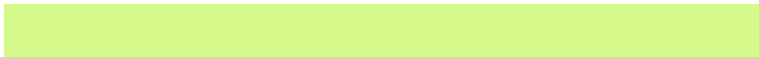
Harmonies

Analogous

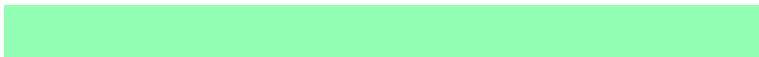
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9116, 0.4088, 0.4301



83.9116, 0.3538, 0.4480



83.9116, 0.2907, 0.4249

Triad

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



83.9116, 0.3538, 0.4480



83.9116, 0.1992, 0.2523



83.9116, 0.3898, 0.2921

Complementary

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



83.9116, 0.3538, 0.4480



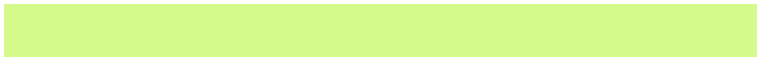
34.2980, 0.2545, 0.1994

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.



83.9116, 0.3250, 0.2543



83.9116, 0.3538, 0.4480



83.9116, 0.2190, 0.2304

Square

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



83.9116, 0.3538, 0.4480



83.9116, 0.2049, 0.2995



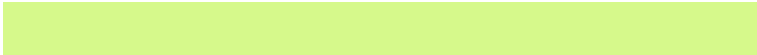
83.9116, 0.2628, 0.2322



83.9116, 0.4336, 0.3393

Rectangle

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



83.9116, 0.3538, 0.4480



83.9116, 0.2528, 0.3876



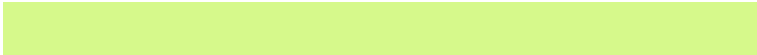
83.9116, 0.2628, 0.2322



83.9116, 0.3693, 0.2781

Sweetspot

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



83.9153, 0.3538, 0.4480



96.1004, 0.3254, 0.3620



52.2090, 0.4130, 0.3665



20.4376, 0.3276, 0.3678



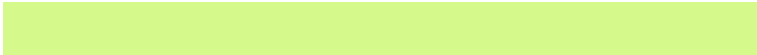
0.0000, 0.0000, 0.0000



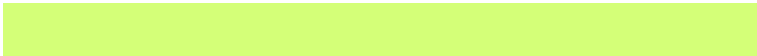
21.4041, 0.3127, 0.3290

Same Dimension

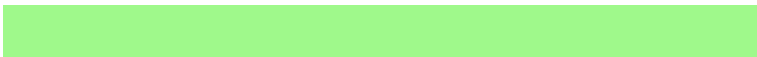
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9153, 0.3538, 0.4480



86.8704, 0.3600, 0.4717



77.0052, 0.3178, 0.4629



19.8977, 0.3220, 0.3528



40.9076, 0.3642, 0.5490



3.8455, 0.3709, 0.5437

Inverse Universe

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



34.2980, 0.2545, 0.1994



28.3870, 0.2396, 0.1708



41.9319, 0.3002, 0.2149



16.9109, 0.3029, 0.3048



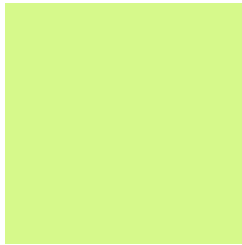
4.6227, 0.1724, 0.0723



0.4823, 0.1850, 0.0793

Previews

White Background



This preview shows how the Yxy color 83.9116, 0.3538, 0.4480 looks on a white background.

Color Contrast Check

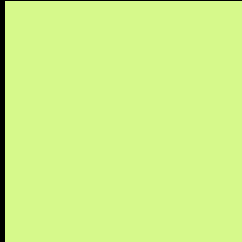
Large Text (above 18pt) WCAG AA × Fail

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 83.9116, 0.3538, 0.4480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

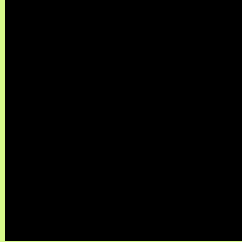
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

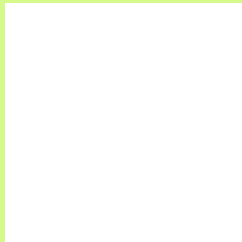
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9116, 0.3538, 0.4480

Background



This preview shows how black text looks on a background with the Yxy color 83.9116, 0.3538, 0.4480.

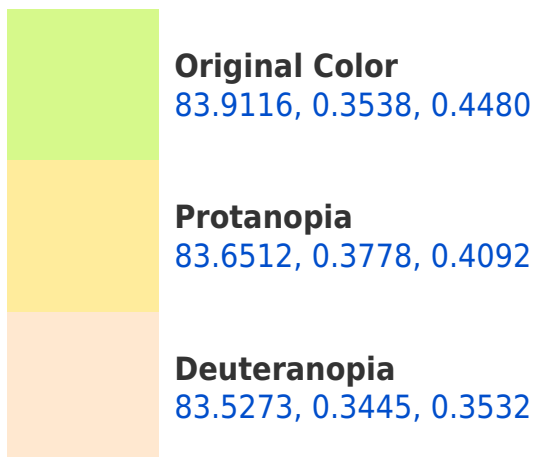


This preview shows how white text looks on a background with the Yxy color 83.9116, 0.3538, 0.4480.

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





Tritanopia

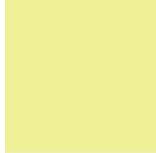
83.8047, 0.2973, 0.3107

Trichromacy



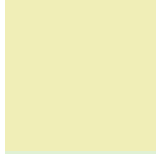
Original Color

83.9116, 0.3538, 0.4480



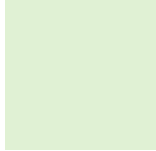
Protanomaly

83.6379, 0.3687, 0.4231



Deuteranomaly

83.0932, 0.3490, 0.3864



Tritanomaly

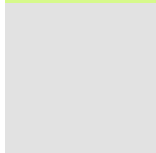
83.5114, 0.3192, 0.3598

Monochromacy



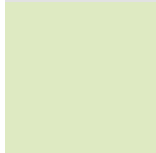
Original Color

83.9116, 0.3538, 0.4480



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.2703, 0.3298, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9116, 0.3538, 0.4480 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(214, 249, 139)` looks like.

```
.text, #text, p{  
    color:rgb(214, 249, 139)  
}
```

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(214, 249, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 249, 139) }
```

Border

The CSS property to change the border of an element to Yxy 83.9116, 0.3538, 0.4480 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(214, 249, 139) }
```

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

```
.border{ border-color:rgb(214, 249, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 249, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 249, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 249, 139); box-shadow:4px 4px 4px 4px rgb(214, 249, 139) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9116, 0.3538, 0.4480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 249, 139) }
```

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

```
.background{ background-color: rgb(214,  
249, 139) }
```

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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