

Converting Colors

$Y_{xy}(102.1457, 0.3453, 0.4500)$

Have a look what the booklet for
Yxy(102.1457, 0.3453, 0.4500)
contains.

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Color

Yxy(89.5745, 0.3497, 0.4344)

Conversions

Conversions Part 1

Format	Color
Hex	DFFF9B
RGB	223, 255, 155
RGB Percent	87%, 100%, 61%
CMY	0.1255, 0.0000, 0.3920
CMYK	0.13, 0.00, 0.39, 0.00
HSL	79°, 100%, 80%
HSV	79°, 39%, 100%
XYZ	72.1091, 89.5745, 44.5192
YIQ	234.0320, 13.0280, -37.8840

Conversions

Conversions Part 2

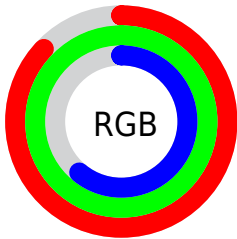
Format	Color
RYB	155, 255, 187
Decimal	14679963
CIELab	95.82, -25.96, 44.35
CIElCh	96, 51.389, 120.341
Yxy	89.5745, 0.3497, 0.4344
Android (android.graphics.Color)	4292870043 (0xFFDFFF9B)
YUV	234.0320, -38.9628, -9.6751
Hunter-Lab	94.6438, -29.6275, 38.3614

Details

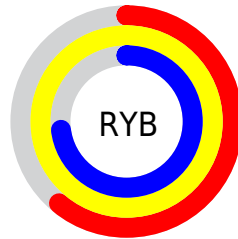
The Yxy color **89.5745, 0.3497, 0.4344** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.2503, 0.2627, 0.2155**, and the grayscale version is **82.5999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **49.4545, 0.3552, 0.4585** is the 20% darker color. If you saturate the color by 10%, you get **87.5405, 0.3573, 0.4618**, and if you desaturate by 10%, it is **91.8530, 0.3409, 0.4063**.

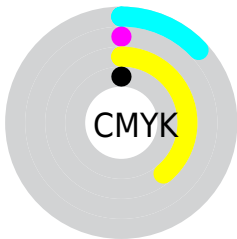
Distribution



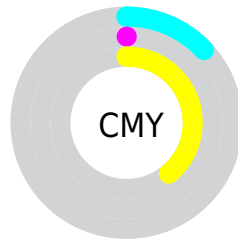
- Red (87%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (73%)



- Cyan (13%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.5745, 0.3497, 0.4344 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 89.5745, 0.3497, 0.4344 by changing the saturation by 10% instead.


 89.5745, 0.3497,
0.4344


 89.5745, 0.3497,
0.4344


526.6457, 0.3349,
0.3859

 67.6278, 0.3524,
0.4452


 146.7472, 0.3451,
0.4178

 49.5950, 0.3554,
0.4584


 182.7420, 0.3431,
0.4112

 35.0917, 0.3587,
0.4747


224.1883, 0.3414,
0.4056

 23.7335, 0.3620,
0.4954

271.4704, 0.3398,
0.4006

 15.1361, 0.3648,
0.5220

324.9729, 0.3384,
0.3963

 8.9149, 0.3655,
0.5571

385.0800, 0.3372,

 4.6857, 0.3729,

0.3924

0.6255

452.1761, 0.3360,
0.3890

■ 2.0641, 0.3362,
0.6638

■ 0.6443, 0.0000,
1.0000

■ 89.5745, 0.3497,
0.4344

■ 89.5745, 0.3497,
0.4344

■ 87.5405, 0.3573,
0.4618

■ 91.8530, 0.3409,
0.4063

■ 85.7371, 0.3632,
0.4873

■ 94.3858, 0.3314,
0.3786

■ 84.1512, 0.3669,
0.5097

■ 97.1839, 0.3216,
0.3520

■ 82.7671, 0.3681,
0.5279

100.0000, 0.3127,
0.3290

■ 81.5668, 0.3668,
0.5410

■ 80.5230, 0.3632,
0.5495

■ 80.4433, 0.3629,
0.5501

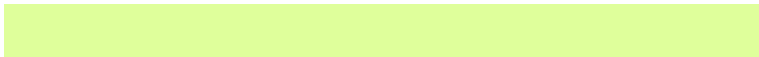
Harmonies

Analogous

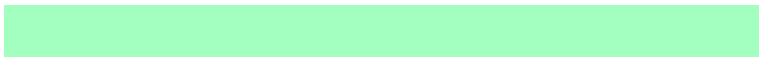
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5745, 0.3989, 0.4205



89.5745, 0.3497, 0.4344



89.5745, 0.2931, 0.4128

Triad

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



89.5745, 0.3497, 0.4344



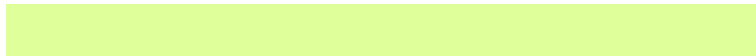
89.5745, 0.2103, 0.2603



89.5745, 0.3820, 0.2966

Complementary

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



89.5745, 0.3497, 0.4344



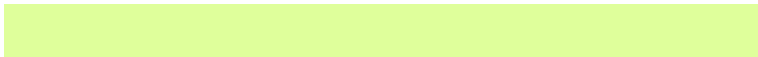
41.2503, 0.2627, 0.2155

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.



89.5745, 0.3247, 0.2619



89.5745, 0.3497, 0.4344



89.5745, 0.2287, 0.2401

Square

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



89.5745, 0.3497, 0.4344



89.5745, 0.2155, 0.3028



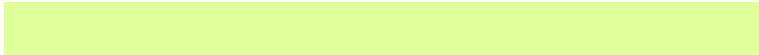
89.5745, 0.2688, 0.2416



89.5745, 0.4205, 0.3398

Rectangle

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



89.5745, 0.3497, 0.4344



89.5745, 0.2590, 0.3802



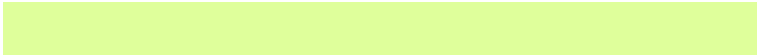
89.5745, 0.2688, 0.2416



89.5745, 0.3640, 0.2837

Sweetspot

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



89.5750, 0.3497, 0.4344



96.3722, 0.3244, 0.3593



59.0414, 0.3982, 0.3624



20.5482, 0.3257, 0.3628



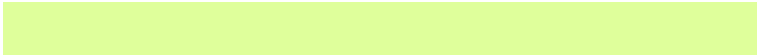
0.0000, 0.0000, 0.0000



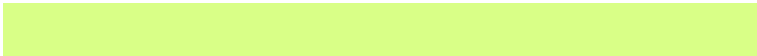
21.4041, 0.3127, 0.3290

Same Dimension

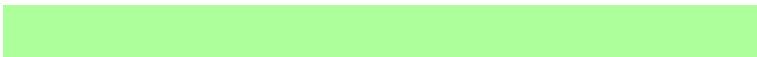
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5750, 0.3497, 0.4344



87.9672, 0.3558, 0.4559



82.8149, 0.3177, 0.4459



20.7821, 0.3219, 0.3528



42.1171, 0.3638, 0.5493



4.1595, 0.3702, 0.5442

Inverse Universe

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



41.2503, 0.2627, 0.2155



33.5345, 0.2500, 0.1901



48.6273, 0.3021, 0.2274



17.6600, 0.3029, 0.3048



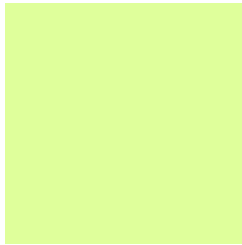
4.7724, 0.1725, 0.0724



0.5204, 0.1845, 0.0790

Previews

White Background



This preview shows how the Yxy color 89.5745, 0.3497, 0.4344 looks on a white background.

Color Contrast Check

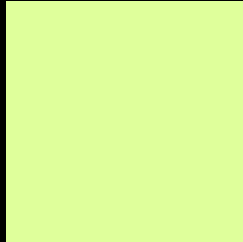
Large Text (above 18pt) WCAG AA × Fail

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 89.5745, 0.3497, 0.4344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

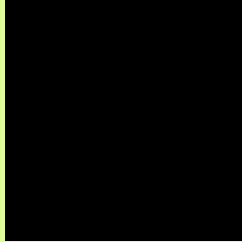
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.5745, 0.3497, 0.4344

Background



This preview shows how black text looks on a background with the Yxy color 89.5745, 0.3497, 0.4344.

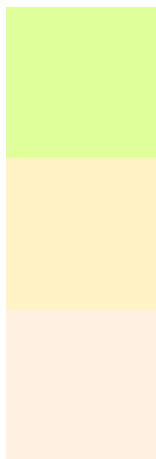


This preview shows how white text looks on a background with the Yxy color 89.5745, 0.3497, 0.4344.

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

89.5745, 0.3497, 0.4344

Protanopia

89.4384, 0.3490, 0.3739

Deuteranopia

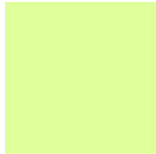
89.0712, 0.3315, 0.3428



Tritanopia

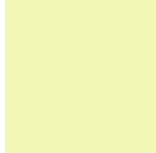
89.0750, 0.3031, 0.3161

Trichromacy



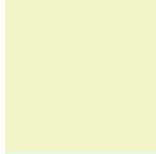
Original Color

89.5745, 0.3497, 0.4344



Protanomaly

88.9536, 0.3498, 0.3955



Deuteranomaly

88.5296, 0.3390, 0.3750



Tritanomaly

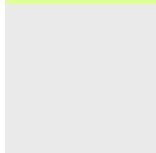
88.9596, 0.3204, 0.3578

Monochromacy



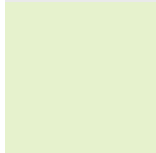
Original Color

89.5745, 0.3497, 0.4344



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.7350, 0.3274, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5745, 0.3497, 0.4344 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(223, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 155)  
}
```

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(223, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 155) }
```

Border

The CSS property to change the border of an element to Yxy 89.5745, 0.3497, 0.4344 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(223, 255, 155) }
```

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

```
.border{ border-color:rgb(223, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5745, 0.3497, 0.4344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 155) }
```

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

```
.background{ background-color: rgb(223,  
255, 155) }
```

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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