

Converting Colors

$Yxy(89.5719, 0.3564, 0.4439)$

Have a look what the booklet for
Yxy(89.5719, 0.3564, 0.4439)
contains.

Yxy(89.5719, 0.3564, 0.4439)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.5719, 0.3564, 0.4439)

Conversions

Conversions Part 1

Format	Color
Hex	E1FF91
RGB	225, 255, 145
RGB Percent	88%, 100%, 57%
CMY	0.1178, 0.0000, 0.4313
CMYK	0.12, 0.00, 0.43, 0.00
HSL	76°, 100%, 78%
HSV	76°, 43%, 100%
XYZ	71.9158, 89.5719, 40.2963
YIQ	233.4900, 17.4300, -40.5700

Conversions

Conversions Part 2

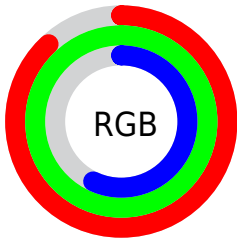
Format	Color
RYB	145, 255, 175
Decimal	14811025
CIELab	95.82, -26.36, 49.20
CIELCh	96, 55.817, 118.184
Yxy	89.5719, 0.3564, 0.4439
Android (android.graphics.Color)	4293001105 (0xFFE1FF91)
YUV	233.4900, -43.6256, -7.4457
Hunter-Lab	94.6424, -29.9877, 41.0056

Details

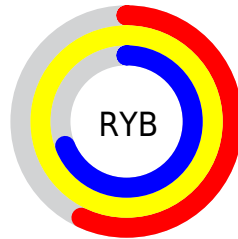
The Yxy color **89.5719, 0.3564, 0.4439** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.5998, 0.2524, 0.2014**, and the grayscale version is **82.1932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **49.4857, 0.3631, 0.4694** is the 20% darker color. If you saturate the color by 10%, you get **87.7704, 0.3643, 0.4699**, and if you desaturate by 10%, it is **91.5864, 0.3471, 0.4166**.

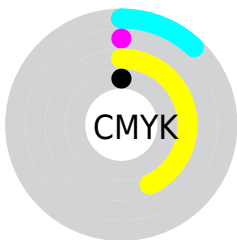
Distribution



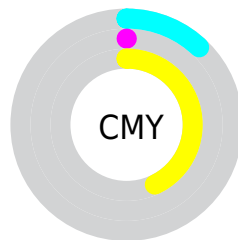
- Red (88%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (69%)



- Cyan (12%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5719, 0.3564, 0.4439 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 89.5719, 0.3564, 0.4439 by changing the saturation by 10% instead.


 89.5719, 0.3564,
0.4439


 89.5719, 0.3564,
0.4439


526.6373, 0.3391,
0.3913

 67.6256, 0.3595,
0.4555

 146.7436, 0.3510,
0.4259

 49.5932, 0.3630,
0.4696


 182.7378, 0.3488,
0.4188

 35.0903, 0.3666,
0.4870


224.1835, 0.3467,
0.4127

 23.7324, 0.3701,
0.5086

271.4650, 0.3449,
0.4073

 15.1353, 0.3728,
0.5361

324.9667, 0.3432,
0.4026

 8.9144, 0.3725,
0.5712

385.0731, 0.3417,

 4.6854, 0.3716,

0.3984

0.6284

452.1685, 0.3403,
0.3946

■ 2.0639, 0.3338,
0.6662

■ 0.6442, 0.0000,
1.0000

■ 89.5719, 0.3564,
0.4439

■ 89.5719, 0.3564,
0.4439

■ 87.7704, 0.3643,
0.4699

■ 91.5864, 0.3471,
0.4166

■ 86.1831, 0.3702,
0.4934

■ 93.8391, 0.3370,
0.3891

■ 84.7917, 0.3737,
0.5133

■ 96.3358, 0.3265,
0.3622

■ 83.5798, 0.3747,
0.5286

■ 99.0864, 0.3160,
0.3367

■ 82.5281, 0.3731,
0.5389

100.0000, 0.3127,
0.3290

■ 81.8791, 0.3709,
0.5437

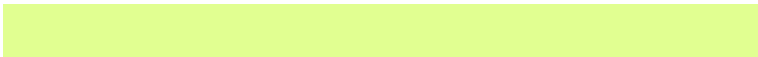
Harmonies

Analogous

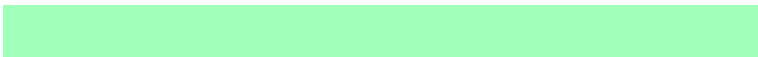
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5719, 0.4086, 0.4252



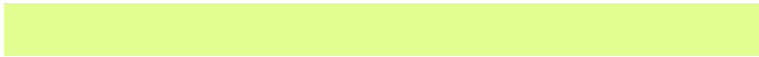
89.5719, 0.3564, 0.4439



89.5719, 0.2953, 0.4239

Triad

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



89.5719, 0.3564, 0.4439



89.5719, 0.2021, 0.2569



89.5719, 0.3839, 0.2908

Complementary

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



89.5719, 0.3564, 0.4439



36.5998, 0.2524, 0.2014

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.



89.5719, 0.3208, 0.2546



89.5719, 0.3564, 0.4439



89.5719, 0.2199, 0.2340

Square

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



89.5719, 0.3564, 0.4439



89.5719, 0.2093, 0.3042



89.5719, 0.2613, 0.2343



89.5719, 0.4280, 0.3364

Rectangle

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



89.5719, 0.3564, 0.4439



89.5719, 0.2579, 0.3893



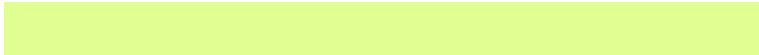
89.5719, 0.2613, 0.2343



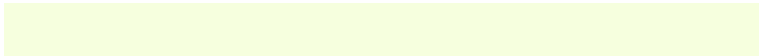
89.5719, 0.3638, 0.2773

Sweetspot

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



89.5673, 0.3564, 0.4439



96.3691, 0.3264, 0.3619



53.7137, 0.4126, 0.3600



20.5042, 0.3287, 0.3677



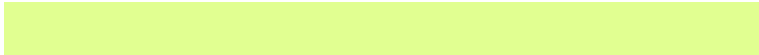
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

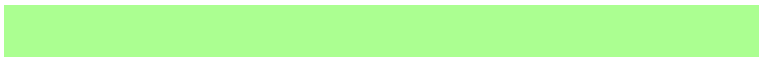
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5673, 0.3564, 0.4439



87.9621, 0.3635, 0.4671



82.1880, 0.3210, 0.4581



20.8267, 0.3227, 0.3528



42.8614, 0.3717, 0.5431



4.2274, 0.3773, 0.5386

Inverse Universe

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



36.5998, 0.2524, 0.2014



28.5689, 0.2368, 0.1722



44.1928, 0.2960, 0.2159



17.6177, 0.3021, 0.3047



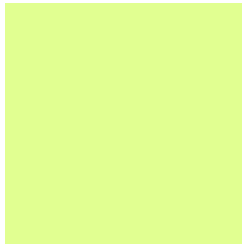
4.5088, 0.1668, 0.0693



0.4903, 0.1781, 0.0755

Previews

White Background



This preview shows how the Yxy color 89.5719, 0.3564, 0.4439 looks on a white background.

Color Contrast Check

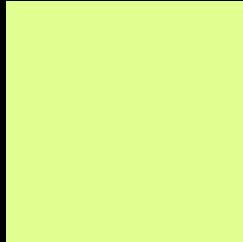
Large Text (above 18pt) WCAG AA × Fail

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 89.5719, 0.3564, 0.4439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

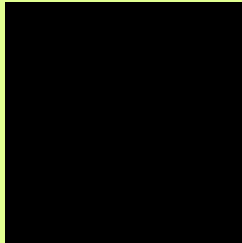
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.5719, 0.3564, 0.4439

Background



This preview shows how black text looks on a background with the Yxy color 89.5719, 0.3564, 0.4439.

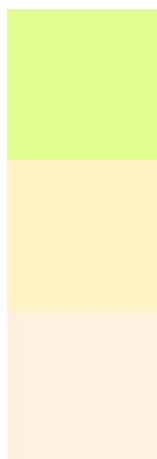


This preview shows how white text looks on a background with the Yxy color 89.5719, 0.3564, 0.4439.

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

89.5719, 0.3564, 0.4439

Protanopia

89.3924, 0.3496, 0.3749

Deuteranopia

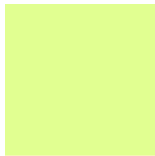
89.0712, 0.3315, 0.3428



Tritanopia

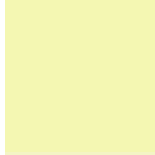
89.4250, 0.3043, 0.3162

Trichromacy



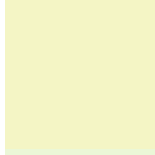
Original Color

89.5719, 0.3564, 0.4439



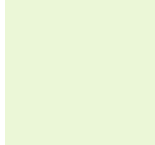
Protanomaly

88.9690, 0.3529, 0.3995



Deuteranomaly

88.5691, 0.3416, 0.3780



Tritanomaly

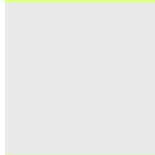
89.0900, 0.3241, 0.3619

Monochromacy



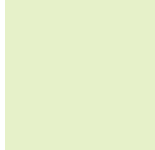
Original Color

89.5719, 0.3564, 0.4439



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.9506, 0.3301, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5719, 0.3564, 0.4439 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(225, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 145)  
}
```

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(225, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 145) }
```

Border

The CSS property to change the border of an element to Yxy 89.5719, 0.3564, 0.4439 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(225, 255, 145) }
```

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

```
.border{ border-color:rgb(225, 255, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 255, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5719, 0.3564, 0.4439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 145) }
```

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

```
.background{ background-color: rgb(225,  
255, 145) }
```

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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