

Converting Colors

$Yxy(88.6168, 0.3431, 0.4201)$

Have a look what the booklet for
Yxy(88.6168, 0.3431, 0.4201)
contains.

Yxy(88.5702, 0.3429, 0.4205)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(88.5702, 0.3429, 0.4205)

Conversions

Conversions Part 1

Format	Color
Hex	DEFDA7
RGB	222, 253, 167
RGB Percent	87%, 99%, 65%
CMY	0.1294, 0.0078, 0.3452
CMYK	0.12, 0.00, 0.34, 0.01
HSL	82°, 96%, 82%
HSV	82°, 34%, 99%
XYZ	72.2253, 88.5702, 49.8352
YIQ	233.9270, 9.1300, -33.3180

Conversions

Conversions Part 2

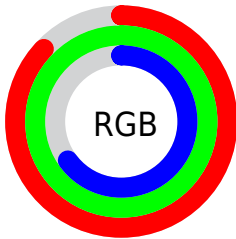
Format	Color
RYB	167, 253, 198
Decimal	14613927
CIELab	95.40, -23.91, 37.94
CIElCh	95, 44.843, 122.216
Yxy	88.5702, 0.3429, 0.4205
Android (android.graphics.Color)	4292804007 (0xFFDEFDA7)
YUV	233.9270, -32.9950, -10.4600
Hunter-Lab	94.1117, -27.7072, 34.4822

Details

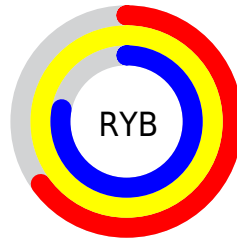
The Yxy color **88.5702, 0.3429, 0.4205** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.7220, 0.2733, 0.2329**, and the grayscale version is **82.4727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **48.8018, 0.3481, 0.4412** is the 20% darker color. If you saturate the color by 10%, you get **86.3275, 0.3505, 0.4489**, and if you desaturate by 10%, it is **91.0815, 0.3344, 0.3921**.

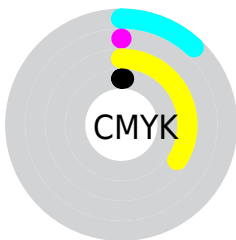
Distribution



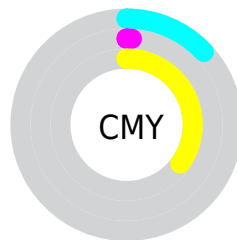
- Red (87%)
- Green (99%)
- Blue (65%)



- Red (65%)
- Yellow (99%)
- Blue (78%)



- Cyan (12%)
- Magenta (0%)
- Yellow (34%)
- Black (1%)





- Cyan (13%)
- Magenta (1%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.5702, 0.3429, 0.4205 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 88.5702, 0.3429, 0.4205 by changing the saturation by 10% instead.


 88.5702, 0.3429,
0.4205


 88.5702, 0.3429,
0.4205

523.3687, 0.3306,
0.3783

 66.7954, 0.3452,
0.4300


 145.3507, 0.3390,
0.4059

 48.9184, 0.3479,
0.4416

 181.1253, 0.3374,
0.4002

 34.5547, 0.3509,
0.4562


222.3351, 0.3359,
0.3953

 23.3201, 0.3541,
0.4748

269.3648, 0.3347,
0.3910

 14.8300, 0.3572,
0.4992

322.5985, 0.3335,
0.3873

 8.7002, 0.3592,
0.5324

382.4209, 0.3325,

 4.5461, 0.3616,

0.3839

0.5857

449.2161, 0.3315,
0.3809

■ 1.9835, 0.3466,
0.6534

■ 0.5979, 0.0000,
1.0000

■ 88.5702, 0.3429,
0.4205

■ 88.5702, 0.3429,
0.4205

■ 86.3275, 0.3505,
0.4489

■ 91.0815, 0.3344,
0.3921

■ 84.3299, 0.3566,
0.4763

■ 93.8608, 0.3254,
0.3647

■ 82.5681, 0.3608,
0.5012

■ 96.9223, 0.3163,
0.3388

■ 81.0275, 0.3627,
0.5225

■ 98.7334, 0.3128,
0.3271

■ 79.6913, 0.3621,
0.5391

■ 78.5393, 0.3590,
0.5505

■ 77.9200, 0.3563,
0.5553

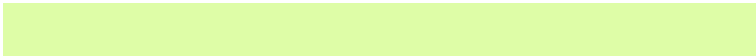
Harmonies

Analogous

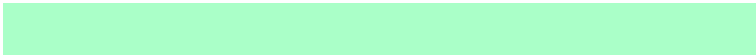
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5702, 0.3868, 0.4114



88.5702, 0.3429, 0.4205



88.5702, 0.2930, 0.3993

Triad

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



88.5702, 0.3429, 0.4205



88.5702, 0.2221, 0.2671



88.5702, 0.3762, 0.3029

Complementary

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



88.5702, 0.3429, 0.4205



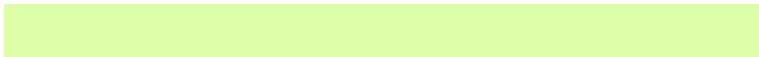
46.7220, 0.2733, 0.2329

Split Complementary

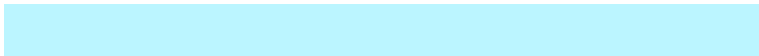
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5702, 0.3268, 0.2710



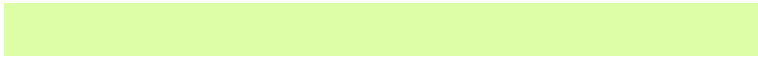
88.5702, 0.3429, 0.4205



88.5702, 0.2400, 0.2498

Square

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



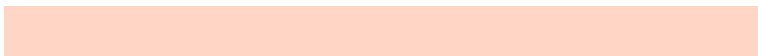
88.5702, 0.3429, 0.4205



88.5702, 0.2256, 0.3039



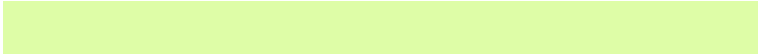
88.5702, 0.2770, 0.2519



88.5702, 0.4082, 0.3419

Rectangle

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



88.5702, 0.3429, 0.4205



88.5702, 0.2632, 0.3705



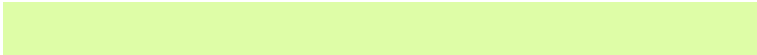
88.5702, 0.2770, 0.2519



88.5702, 0.3608, 0.2911

Sweetspot

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



88.5741, 0.3429, 0.4205



96.7642, 0.3218, 0.3542



63.6441, 0.3825, 0.3608



20.6192, 0.3231, 0.3578



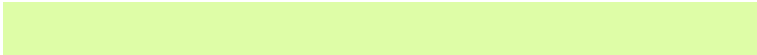
0.0000, 0.0000, 0.0000



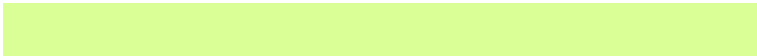
21.4041, 0.3127, 0.3290

Same Dimension

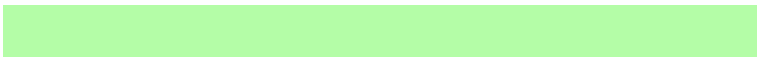
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5741, 0.3429, 0.4205



88.5397, 0.3483, 0.4405



82.7315, 0.3156, 0.4288



20.7444, 0.3213, 0.3529



41.5340, 0.3573, 0.5545



4.1056, 0.3643, 0.5489

Inverse Universe

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



46.7220, 0.2733, 0.2329



39.8825, 0.2630, 0.2106



53.2635, 0.3063, 0.2416



17.6962, 0.3035, 0.3048



5.0341, 0.1781, 0.0755



0.5491, 0.1905, 0.0823

Previews

White Background



This preview shows how the Yxy color 88.5702, 0.3429, 0.4205 looks on a white background.

Color Contrast Check

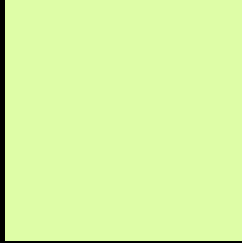
Large Text (above 18pt) WCAG AA × Fail

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 88.5702, 0.3429, 0.4205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

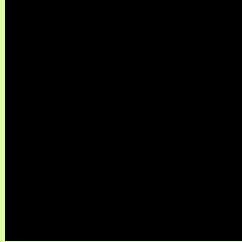
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.5702, 0.3429, 0.4205

Background



This preview shows how black text looks on a background with the Yxy color 88.5702, 0.3429, 0.4205.

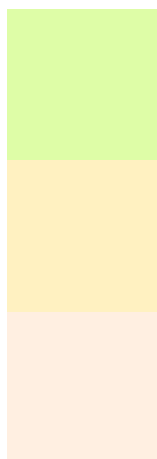


This preview shows how white text looks on a background with the Yxy color 88.5702, 0.3429, 0.4205.

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

88.5702, 0.3429, 0.4205

Protanopia

88.0208, 0.3526, 0.3771

Deuteranopia

88.4292, 0.3323, 0.3429



Tritanopia

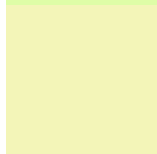
88.1351, 0.3018, 0.3151

Trichromacy



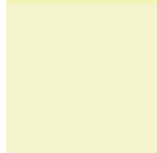
Original Color

88.5702, 0.3429, 0.4205



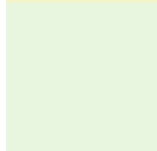
Protanomaly

87.8202, 0.3490, 0.3916



Deuteranomaly

88.1157, 0.3367, 0.3699



Tritanomaly

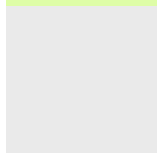
87.7883, 0.3175, 0.3517

Monochromacy



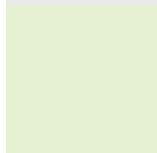
Original Color

88.5702, 0.3429, 0.4205



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.3867, 0.3245, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.5702, 0.3429, 0.4205 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(222, 253, 167)` looks like.

```
.text, #text, p{  
    color:rgb(222, 253, 167)  
}
```

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(222, 253, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 253, 167) }
```

Border

The CSS property to change the border of an element to Yxy 88.5702, 0.3429, 0.4205 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(222, 253, 167) }
```

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

```
.border{ border-color:rgb(222, 253, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 253, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 253, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 253, 167);  
box-shadow:4px 4px 4px 4px rgb(222, 253,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 88.5702, 0.3429, 0.4205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 253, 167) }
```

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

```
.background{ background-color: rgb(222,  
253, 167) }
```

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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