

Converting Colors

$Yxy(88.5105, 0.3331, 0.4189)$

Have a look what the booklet for
Yxy(88.5105, 0.3331, 0.4189)
contains.

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Color

Yxy(88.4956, 0.3330, 0.4189)

Conversions

Conversions Part 1

Format	Color
Hex	D4FFAC
RGB	212, 255, 172
RGB Percent	83%, 100%, 67%
CMY	0.1688, 0.0000, 0.3254
CMYK	0.17, 0.00, 0.33, 0.00
HSL	91°, 100%, 84%
HSV	91°, 33%, 100%
XYZ	70.3486, 88.4956, 52.4129
YIQ	232.6810, 1.0150, -34.9290

Conversions

Conversions Part 2

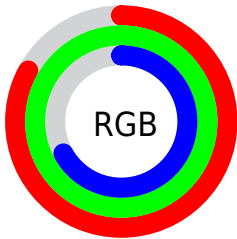
Format	Color
RYB	172, 255, 215
Decimal	13959084
CIELab	95.37, -27.76, 35.27
CIELCh	95, 44.885, 128.201
Yxy	88.4956, 0.3330, 0.4189
Android (android.graphics.Color)	4292149164 (0xFFD4FFAC)
YUV	232.6810, -29.9157, -18.1372
Hunter-Lab	94.0721, -31.1410, 32.8167

Details

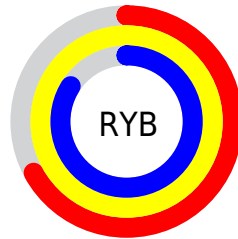
The Yxy color **88.4956, 0.3330, 0.4189** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.1910, 0.2853, 0.2400**, and the grayscale version is **81.4511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **48.7880, 0.3357, 0.4398** is the 20% darker color. If you saturate the color by 10%, you get **85.7157, 0.3380, 0.4494**, and if you desaturate by 10%, it is **91.6117, 0.3272, 0.3892**.

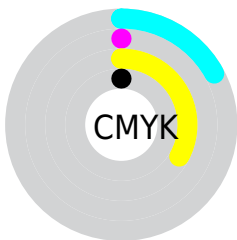
Distribution



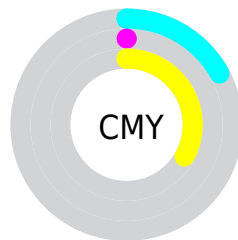
- Red (83%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (84%)



- Cyan (17%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.4956, 0.3330, 0.4189 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 88.4956, 0.3330, 0.4189 by changing the saturation by 10% instead.


 88.4956, 0.3330,
0.4189

 88.4956, 0.3330,
0.4189


523.1249, 0.3251,
0.3771

 66.7336, 0.3344,
0.4284


 145.2469, 0.3306,
0.4044

 48.8682, 0.3359,
0.4401

181.0051, 0.3296,
0.3988

 34.5149, 0.3375,
0.4548


222.1973, 0.3286,
0.3939

 23.2894, 0.3390,
0.4737

269.2082, 0.3278,
0.3897

 14.8074, 0.3401,
0.4990

322.4219, 0.3270,
0.3860

 8.6843, 0.3395,
0.5338

382.2230, 0.3263,

 4.5358, 0.3360,

0.3827

0.5873

448.9959, 0.3257,
0.3797

■ 1.9776, 0.3230,
0.6770

■ 0.5944, 0.0000,
1.0000

■ 88.4956, 0.3330,
0.4189

■ 88.4956, 0.3330,
0.4189

■ 85.7157, 0.3380,
0.4494

■ 91.6117, 0.3272,
0.3892

■ 83.2766, 0.3417,
0.4795

■ 95.0970, 0.3208,
0.3612

■ 81.1562, 0.3437,
0.5079

■ 98.9578, 0.3144,
0.3352

■ 79.3368, 0.3436,
0.5327

100.0000, 0.3127,
0.3290

■ 77.7989, 0.3413,
0.5527

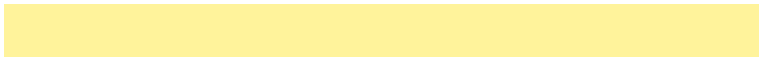
■ 76.5191, 0.3369,
0.5668

■ 75.7093, 0.3327,
0.5740

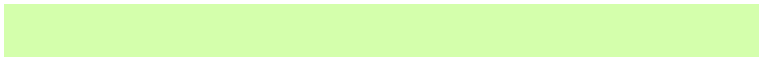
Harmonies

Analogous

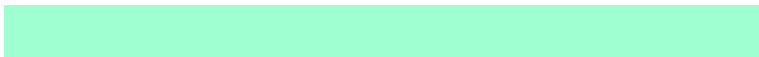
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4956, 0.3792, 0.4154



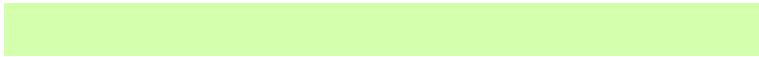
88.4956, 0.3330, 0.4189



88.4956, 0.2835, 0.3917

Triad

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



88.4956, 0.3330, 0.4189



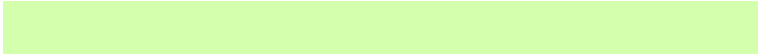
88.4956, 0.2239, 0.2619



88.4956, 0.3846, 0.3103

Complementary

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



88.4956, 0.3330, 0.4189



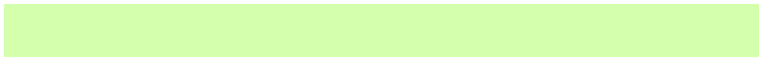
51.1910, 0.2853, 0.2400

Split Complementary

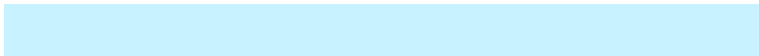
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.4956, 0.3373, 0.2764



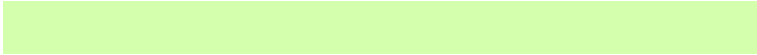
88.4956, 0.3330, 0.4189



88.4956, 0.2459, 0.2486

Square

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



88.4956, 0.3330, 0.4189



88.4956, 0.2231, 0.2951



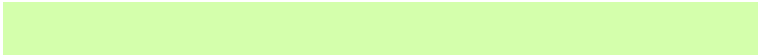
88.4956, 0.2862, 0.2544



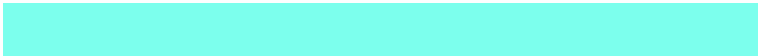
88.4956, 0.4115, 0.3500

Rectangle

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



88.4956, 0.3330, 0.4189



88.4956, 0.2553, 0.3606



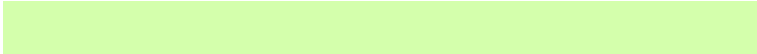
88.4956, 0.2862, 0.2544



88.4956, 0.3703, 0.2980

Sweetspot

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



88.4892, 0.3330, 0.4189



96.0418, 0.3192, 0.3544



72.7862, 0.3742, 0.3733



20.4444, 0.3201, 0.3581



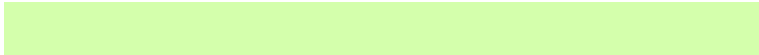
0.0000, 0.0000, 0.0000



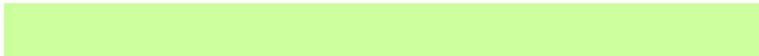
21.4041, 0.3127, 0.3290

Same Dimension

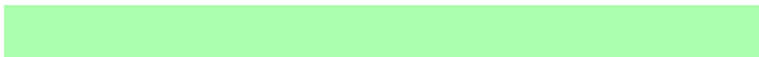
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.4892, 0.3330, 0.4189



86.6586, 0.3364, 0.4386



83.3259, 0.3074, 0.4244



20.5969, 0.3189, 0.3531



39.6476, 0.3339, 0.5731



3.9250, 0.3426, 0.5662

Inverse Universe

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



51.1910, 0.2853, 0.2400



44.1324, 0.2782, 0.2207



57.9045, 0.3176, 0.2491



17.8412, 0.3061, 0.3050



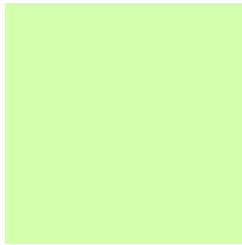
6.4377, 0.2058, 0.0907



0.6919, 0.2179, 0.0974

Previews

White Background



This preview shows how the Yxy color 88.4956, 0.3330, 0.4189 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 88.4956, 0.3330, 0.4189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

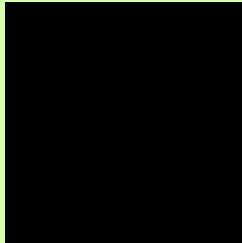
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

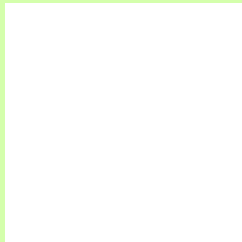
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.4956, 0.3330, 0.4189

Background



This preview shows how black text looks on a background with the Yxy color 88.4956, 0.3330, 0.4189.

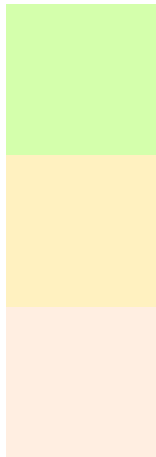


This preview shows how white text looks on a background with the Yxy color 88.4956, 0.3330, 0.4189.

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

88.4956, 0.3330, 0.4189

Protanopia

87.9764, 0.3533, 0.3781

Deuteranopia

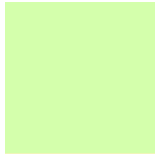
87.8453, 0.3324, 0.3419



Tritanopia

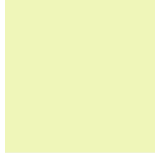
88.3101, 0.2981, 0.3169

Trichromacy



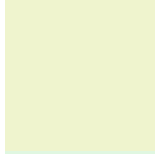
Original Color

88.4956, 0.3330, 0.4189



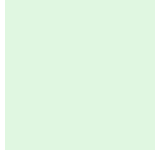
Protanomaly

87.7650, 0.3454, 0.3921



Deuteranomaly

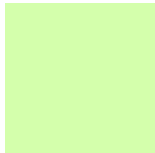
87.5083, 0.3327, 0.3681



Tritanomaly

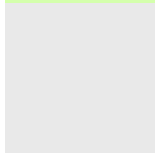
87.8051, 0.3110, 0.3519

Monochromacy



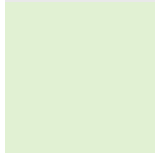
Original Color

88.4956, 0.3330, 0.4189



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.6213, 0.3205, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.4956, 0.3330, 0.4189 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(212, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 172)  
}
```

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(212, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 172) }
```

Border

The CSS property to change the border of an element to Yxy 88.4956, 0.3330, 0.4189 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(212, 255, 172) }
```

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

```
.border{ border-color:rgb(212, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 88.4956, 0.3330, 0.4189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 172) }
```

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

```
.background{ background-color: rgb(212,  
255, 172) }
```

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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