

Converting Colors

$Yxy(89.3233, 0.3406, 0.4235)$

Have a look what the booklet for
Yxy(89.3233, 0.3406, 0.4235)
contains.

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Color

Yxy(89.3332, 0.3410, 0.4239)

Conversions

Conversions Part 1

Format	Color
Hex	DBFFA6
RGB	219, 255, 166
RGB Percent	86%, 100%, 65%
CMY	0.1411, 0.0000, 0.3489
CMYK	0.14, 0.00, 0.35, 0.00
HSL	84°, 100%, 83%
HSV	84°, 35%, 100%
XYZ	71.8628, 89.3332, 49.5453
YIQ	234.0900, 7.1130, -35.3110

Conversions

Conversions Part 2

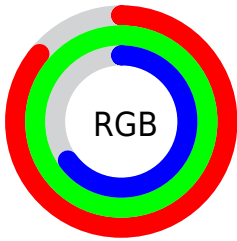
Format	Color
RYB	166, 255, 202
Decimal	14417830
CIELab	95.72, -26.05, 38.79
CIELCh	96, 46.722, 123.881
Yxy	89.3332, 0.3410, 0.4239
Android (android.graphics.Color)	4292607910 (0xFFDBFFA6)
YUV	234.0900, -33.5684, -13.2339
Hunter-Lab	94.5162, -29.6860, 35.0816

Details

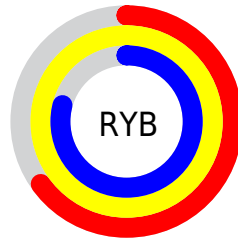
The Yxy color **89.3332, 0.3410, 0.4239** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.0615, 0.2750, 0.2309**, and the grayscale version is **82.6126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **49.3670, 0.3455, 0.4456** is the 20% darker color. If you saturate the color by 10%, you get **86.9415, 0.3477, 0.4529**, and if you desaturate by 10%, it is **92.0174, 0.3333, 0.3951**.

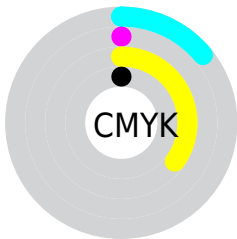
Distribution



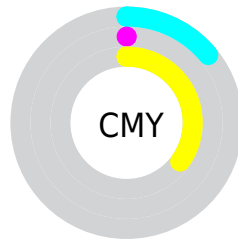
- Red (86%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (79%)



- Cyan (14%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.3332, 0.3410, 0.4239 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 89.3332, 0.3410, 0.4239 by changing the saturation by 10% instead.


 89.3332, 0.3410,
0.4239


 89.3332, 0.3410,
0.4239


525.8594, 0.3297,
0.3801

 67.4277, 0.3431,
0.4338


 146.4118, 0.3375,
0.4088

 49.4323, 0.3454,
0.4459

 182.3538, 0.3360,
0.4029

 34.9625, 0.3480,
0.4610

223.7434, 0.3347,
0.3978

 23.6340, 0.3506,
0.4803

270.9650, 0.3335,
0.3933

 15.0624, 0.3529,
0.5058

324.4030, 0.3324,
0.3894

 8.8632, 0.3537,
0.5402

384.4418, 0.3314,

 4.6520, 0.3543,

0.3859

0.5960

451.4658, 0.3305,
0.3828

■ 2.0446, 0.3352,
0.6648

■ 0.6332, 0.0000,
1.0000

■ 89.3332, 0.3410,
0.4239

■ 89.3332, 0.3410,
0.4239

■ 86.9415, 0.3477,
0.4529

■ 92.0174, 0.3333,
0.3951

■ 84.8177, 0.3529,
0.4809

■ 94.9941, 0.3251,
0.3672

■ 82.9518, 0.3562,
0.5064

■ 98.2784, 0.3168,
0.3411

■ 81.3281, 0.3572,
0.5282

99.9997, 0.3127,
0.3290

■ 79.9286, 0.3556,
0.5451

■ 78.7316, 0.3518,
0.5566

■ 78.1831, 0.3493,
0.5609

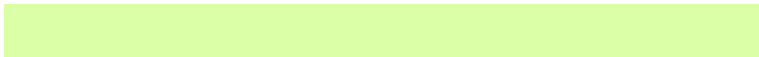
Harmonies

Analogous

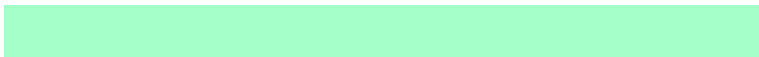
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3332, 0.3873, 0.4156



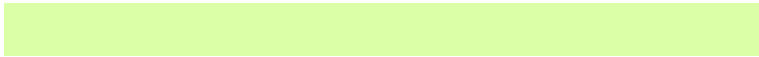
89.3332, 0.3410, 0.4239



89.3332, 0.2893, 0.4002

Triad

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



89.3332, 0.3410, 0.4239



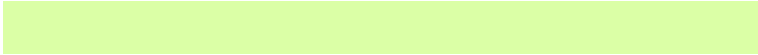
89.3332, 0.2194, 0.2631



89.3332, 0.3812, 0.3039

Complementary

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



89.3332, 0.3410, 0.4239



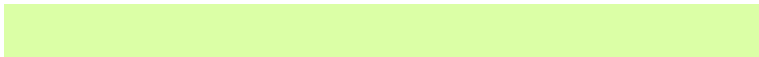
47.0615, 0.2750, 0.2309

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.



89.3332, 0.3303, 0.2705



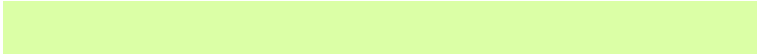
89.3332, 0.3410, 0.4239



89.3332, 0.2390, 0.2466

Square

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



89.3332, 0.3410, 0.4239



89.3332, 0.2217, 0.3001



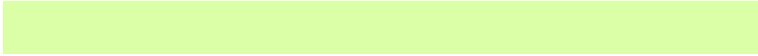
89.3332, 0.2782, 0.2499



89.3332, 0.4130, 0.3444

Rectangle

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



89.3332, 0.3410, 0.4239



89.3332, 0.2589, 0.3693



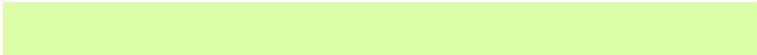
89.3332, 0.2782, 0.2499



89.3332, 0.3655, 0.2917

Sweetspot

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



89.3371, 0.3410, 0.4239



96.5615, 0.3211, 0.3542



66.0763, 0.3833, 0.3662



20.5701, 0.3222, 0.3579



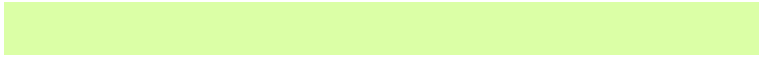
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

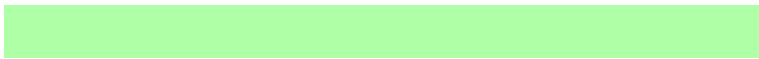
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3371, 0.3410, 0.4239



87.6057, 0.3459, 0.4446



83.3795, 0.3130, 0.4327



20.7030, 0.3206, 0.3529



40.9420, 0.3503, 0.5600



4.0501, 0.3580, 0.5539

Inverse Universe

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



47.0615, 0.2750, 0.2309



39.4723, 0.2651, 0.2086



54.1149, 0.3096, 0.2403



17.7363, 0.3042, 0.3049



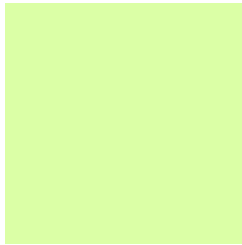
5.3647, 0.1849, 0.0792



0.5841, 0.1975, 0.0862

Previews

White Background



This preview shows how the Yxy color 89.3332, 0.3410, 0.4239 looks on a white background.

Color Contrast Check

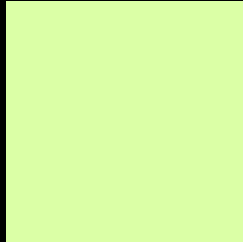
Large Text (above 18pt) WCAG AA × Fail

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 89.3332, 0.3410, 0.4239 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

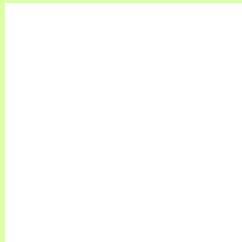
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.3332, 0.3410, 0.4239

Background



This preview shows how black text looks on a background with the Yxy color 89.3332, 0.3410, 0.4239.

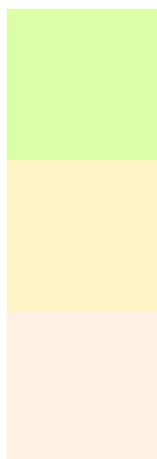


This preview shows how white text looks on a background with the Yxy color 89.3332, 0.3410, 0.4239.

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

89.3332, 0.3410, 0.4239

Protanopia

88.7955, 0.3498, 0.3740

Deuteranopia

89.0712, 0.3315, 0.3428



Tritanopia

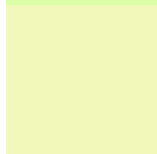
89.1541, 0.3012, 0.3170

Trichromacy



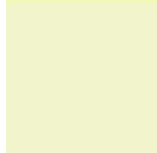
Original Color

89.3332, 0.3410, 0.4239



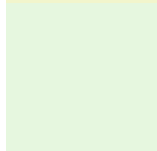
Protanomaly

88.9439, 0.3466, 0.3916



Deuteranomaly

88.5417, 0.3359, 0.3709



Tritanomaly

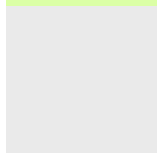
88.6722, 0.3160, 0.3538

Monochromacy



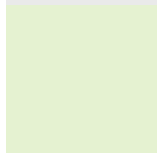
Original Color

89.3332, 0.3410, 0.4239



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.7657, 0.3243, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3332, 0.3410, 0.4239 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(219, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 166)  
}
```

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(219, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 166) }
```

Border

The CSS property to change the border of an element to Yxy 89.3332, 0.3410, 0.4239 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(219, 255, 166) }
```

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

```
.border{ border-color:rgb(219, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3332, 0.3410, 0.4239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 166) }
```

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

```
.background{ background-color: rgb(219,  
255, 166) }
```

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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