

Converting Colors

$Y_{xy}(100.0000, 0.3376, 0.4349)$

Have a look what the booklet for
Yxy(100.0000, 0.3376, 0.4349)
contains.

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Color

Yxy(89.5628, 0.3406, 0.4216)

Conversions

Conversions Part 1

Format	Color
Hex	DCFFA8
RGB	220, 255, 168
RGB Percent	86%, 100%, 66%
CMY	0.1370, 0.0000, 0.3412
CMYK	0.14, 0.00, 0.34, 0.00
HSL	84°, 100%, 83%
HSV	84°, 34%, 100%
XYZ	72.3555, 89.5628, 50.5172
YIQ	234.6170, 7.0670, -34.4770

Conversions

Conversions Part 2

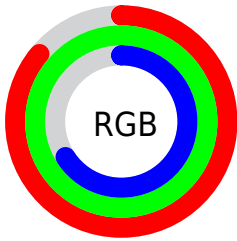
Format	Color
RYB	168, 255, 203
Decimal	14483368
CIELab	95.82, -25.42, 37.95
CIELCh	96, 45.680, 123.812
Yxy	89.5628, 0.3406, 0.4216
Android (android.graphics.Color)	4292673448 (0xFFDCFFA8)
YUV	234.6170, -32.8422, -12.8191
Hunter-Lab	94.6376, -29.1430, 34.5976

Details

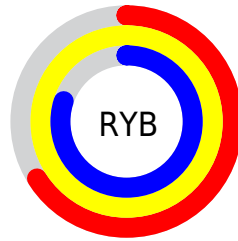
The Yxy color **89.5628, 0.3406, 0.4216** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.9109, 0.2758, 0.2332**, and the grayscale version is **83.0309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **49.5185, 0.3451, 0.4427** is the 20% darker color. If you saturate the color by 10%, you get **87.1579, 0.3474, 0.4506**, and if you desaturate by 10%, it is **92.2598, 0.3328, 0.3928**.

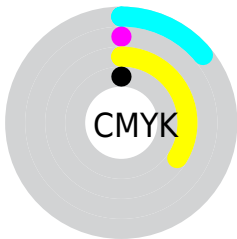
Distribution



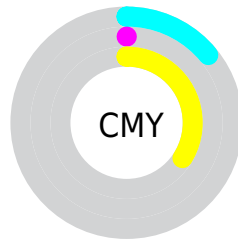
- Red (86%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (80%)



- Cyan (14%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5628, 0.3406, 0.4216 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 89.5628, 0.3406, 0.4216 by changing the saturation by 10% instead.


 89.5628, 0.3406,
0.4216

 89.5628, 0.3406,
0.4216

526.6076, 0.3294,
0.3789

 67.6181, 0.3427,
0.4312

 146.7310, 0.3371,
0.4069

 49.5871, 0.3450,
0.4430


182.7232, 0.3356,
0.4011

 35.0854, 0.3476,
0.4577


224.1667, 0.3343,
0.3961

 23.7287, 0.3503,
0.4766

271.4459, 0.3331,
0.3918

 15.1325, 0.3528,
0.5014

324.9452, 0.3321,
0.3880

 8.9124, 0.3540,
0.5351


385.0490, 0.3311,


 4.6841, 0.3543,


0.3846


0.5882


452.1417, 0.3302,
0.3816

 2.0631, 0.3394,
0.6606


 0.6438, 0.0000,
1.0000


 89.5628, 0.3406,
0.4216


 89.5628, 0.3406,
0.4216

 87.1579, 0.3474,
0.4506


 92.2598, 0.3328,
0.3928

 85.0207, 0.3528,
0.4786

 95.2487, 0.3246,
0.3652

 83.1411, 0.3563,
0.5044

 98.5447, 0.3162,
0.3391

 81.5038, 0.3575,
0.5264

99.9951, 0.3127,
0.3290

■ 80.0910, 0.3562,
0.5437

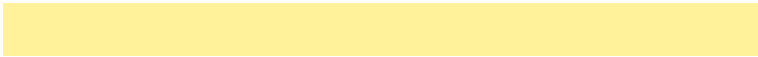
■ 78.8815, 0.3526,
0.5556

■ 78.2479, 0.3497,
0.5605

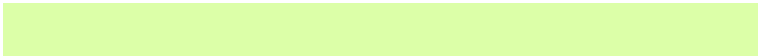
Harmonies

Analogous

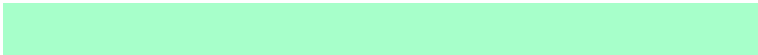
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5628, 0.3858, 0.4137



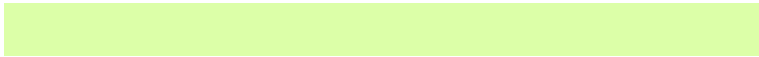
89.5628, 0.3406, 0.4216



89.5628, 0.2901, 0.3985

Triad

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



89.5628, 0.3406, 0.4216



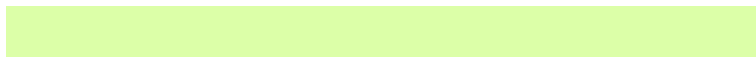
89.5628, 0.2213, 0.2647



89.5628, 0.3795, 0.3044

Complementary

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



89.5628, 0.3406, 0.4216



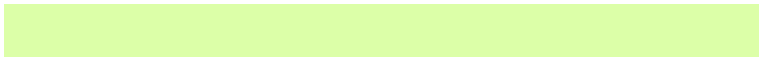
47.9109, 0.2758, 0.2332

Split Complementary

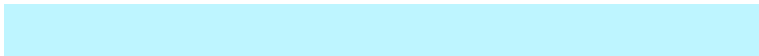
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.5628, 0.3298, 0.2716



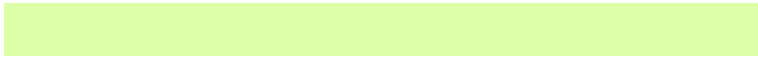
89.5628, 0.3406, 0.4216



89.5628, 0.2405, 0.2483

Square

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



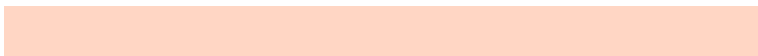
89.5628, 0.3406, 0.4216



89.5628, 0.2237, 0.3010



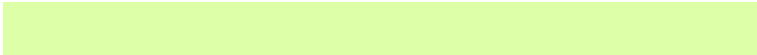
89.5628, 0.2789, 0.2515



89.5628, 0.4106, 0.3442

Rectangle

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



89.5628, 0.3406, 0.4216



89.5628, 0.2603, 0.3685



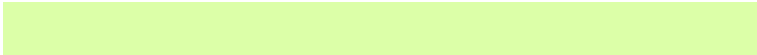
89.5628, 0.2789, 0.2515



89.5628, 0.3641, 0.2924

Sweetspot

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



89.5667, 0.3406, 0.4216



96.5744, 0.3211, 0.3542



66.7009, 0.3813, 0.3654



20.5732, 0.3223, 0.3579



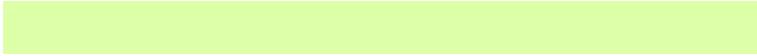
0.0000, 0.0000, 0.0000



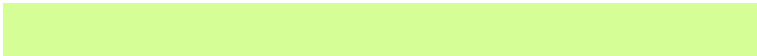
21.4041, 0.3127, 0.3290

Same Dimension

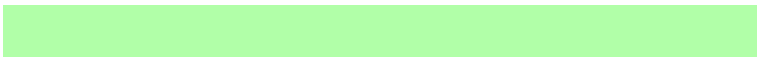
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5667, 0.3406, 0.4216



87.8850, 0.3454, 0.4416



83.6537, 0.3130, 0.4300



20.7056, 0.3207, 0.3529



40.9783, 0.3508, 0.5597



4.0536, 0.3584, 0.5536

Inverse Universe

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



47.9109, 0.2758, 0.2332



40.4399, 0.2663, 0.2117



54.8697, 0.3097, 0.2422



17.7337, 0.3042, 0.3049



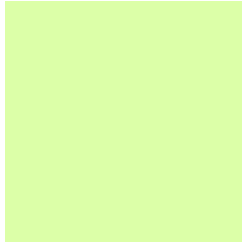
5.3421, 0.1845, 0.0790



0.5817, 0.1970, 0.0859

Previews

White Background



This preview shows how the Yxy color 89.5628, 0.3406, 0.4216 looks on a white background.

Color Contrast Check

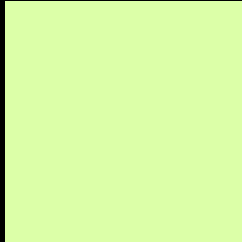
Large Text (above 18pt) WCAG AA × Fail

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 89.5628, 0.3406, 0.4216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

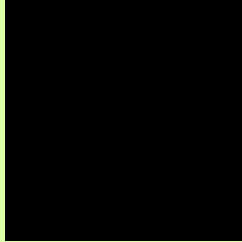
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

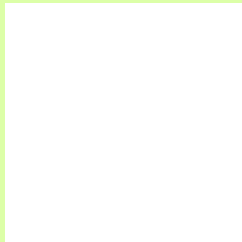
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5628, 0.3406, 0.4216

Background



This preview shows how black text looks on a background with the Yxy color 89.5628, 0.3406, 0.4216.

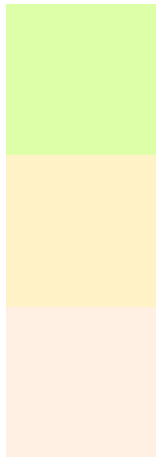


This preview shows how white text looks on a background with the Yxy color 89.5628, 0.3406, 0.4216.

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

89.5628, 0.3406, 0.4216

Protanopia

88.8878, 0.3486, 0.3719

Deuteranopia

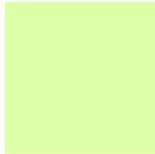
89.1262, 0.3309, 0.3418



Tritanopia

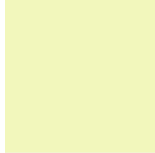
89.3257, 0.3018, 0.3171

Trichromacy



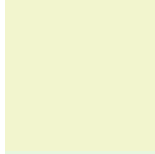
Original Color

89.5628, 0.3406, 0.4216



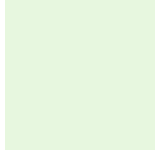
Protanomaly

89.0296, 0.3454, 0.3895



Deuteranomaly

88.6383, 0.3346, 0.3688



Tritanomaly

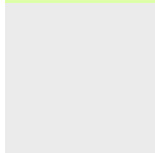
88.8382, 0.3167, 0.3537

Monochromacy



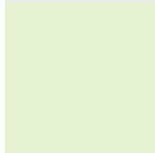
Original Color

89.5628, 0.3406, 0.4216



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

85.0304, 0.3237, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5628, 0.3406, 0.4216 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(220, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 168)  
}
```

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(220, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 168) }
```

Border

The CSS property to change the border of an element to Yxy 89.5628, 0.3406, 0.4216 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(220, 255, 168) }
```

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

```
.border{ border-color:rgb(220, 255, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5628, 0.3406, 0.4216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 168) }
```

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

```
.background{ background-color: rgb(220,  
255, 168) }
```

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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