

Converting Colors

$Yxy(98.8367, 0.3390, 0.4396)$

Have a look what the booklet for
Yxy(98.8367, 0.3390, 0.4396)
contains.

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Color

Yxy(89.0698, 0.3420, 0.4273)

Conversions

Conversions Part 1

Format	Color
Hex	DAFFA3
RGB	218, 255, 163
RGB Percent	85%, 100%, 64%
CMY	0.1450, 0.0000, 0.3607
CMYK	0.15, 0.00, 0.36, 0.00
HSL	84°, 100%, 82%
HSV	84°, 36%, 100%
XYZ	71.2892, 89.0698, 48.0889
YIQ	233.4490, 7.4800, -36.4560

Conversions

Conversions Part 2

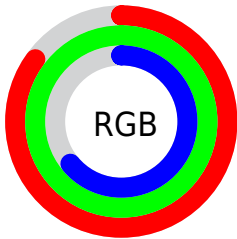
Format	Color
RYB	163, 255, 200
Decimal	14352291
CIELab	95.61, -26.79, 40.12
CIElCh	96, 48.242, 123.729
Yxy	89.0698, 0.3420, 0.4273
Android (android.graphics.Color)	4292542371 (0xFFDAFFA3)
YUV	233.4490, -34.7314, -13.5488
Hunter-Lab	94.3768, -30.3262, 35.8530

Details

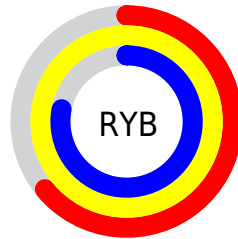
The Yxy color **89.0698, 0.3420, 0.4273** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.6963, 0.2732, 0.2271**, and the grayscale version is **82.1092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **49.1953, 0.3467, 0.4499** is the 20% darker color. If you saturate the color by 10%, you get **86.7172, 0.3486, 0.4562**, and if you desaturate by 10%, it is **91.7112, 0.3344, 0.3984**.

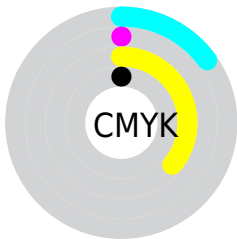
Distribution



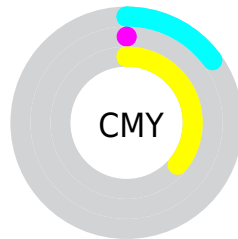
- Red (85%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (78%)



- Cyan (15%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.0698, 0.3420, 0.4273 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 89.0698, 0.3420, 0.4273 by changing the saturation by 10% instead.


 89.0698, 0.3420,
0.4273


 89.0698, 0.3420,
0.4273


525.0003, 0.3304,
0.3818

 67.2094, 0.3441,
0.4375


 146.0456, 0.3384,
0.4116

 49.2548, 0.3465,
0.4501


 181.9298, 0.3369,
0.4055

 34.8217, 0.3490,
0.4657


223.2575, 0.3355,
0.4002

 23.5255, 0.3516,
0.4857

270.4129, 0.3343,
0.3956

 14.9820, 0.3537,
0.5120

323.7805, 0.3331,
0.3915

 8.8068, 0.3540,
0.5473

383.7446, 0.3321,

 4.6154, 0.3554,

0.3879

0.6075

450.6898, 0.3312,
0.3847

■ 2.0234, 0.3301,
0.6699

■ 0.6210, 0.0000,
1.0000

■ 89.0698, 0.3420,
0.4273

■ 89.0698, 0.3420,
0.4273

■ 86.7172, 0.3486,
0.4562

■ 91.7112, 0.3344,
0.3984

■ 84.6304, 0.3536,
0.4839

■ 94.6432, 0.3262,
0.3705

■ 82.7986, 0.3567,
0.5090

■ 97.8803, 0.3178,
0.3441

■ 81.2059, 0.3574,
0.5302

100.0000, 0.3127,
0.3290

■ 79.8342, 0.3556,
0.5465

■ 78.6611, 0.3516,
0.5573

■ 78.2426, 0.3496,
0.5606

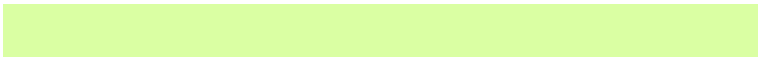
Harmonies

Analogous

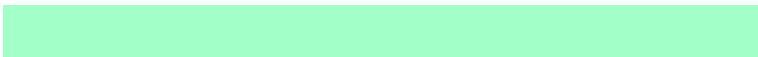
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0698, 0.3898, 0.4182



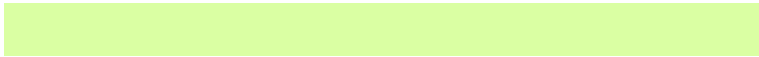
89.0698, 0.3420, 0.4273



89.0698, 0.2887, 0.4030

Triad

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



89.0698, 0.3420, 0.4273



89.0698, 0.2166, 0.2611



89.0698, 0.3832, 0.3029

Complementary

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



89.0698, 0.3420, 0.4273



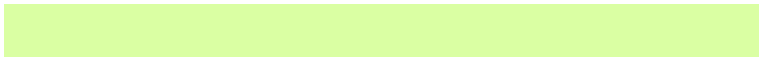
45.6963, 0.2732, 0.2271

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.



89.0698, 0.3305, 0.2686



89.0698, 0.3420, 0.4273



89.0698, 0.2366, 0.2441

Square

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



89.0698, 0.3420, 0.4273



89.0698, 0.2190, 0.2992



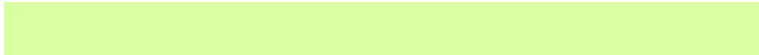
89.0698, 0.2768, 0.2475



89.0698, 0.4163, 0.3445

Rectangle

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



89.0698, 0.3420, 0.4273



89.0698, 0.2573, 0.3710



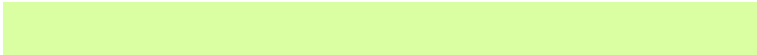
89.0698, 0.2768, 0.2475



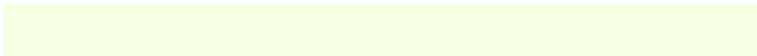
89.0698, 0.3669, 0.2903

Sweetspot

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



89.0732, 0.3420, 0.4273



96.2470, 0.3219, 0.3568



65.1237, 0.3863, 0.3675



20.5074, 0.3231, 0.3604



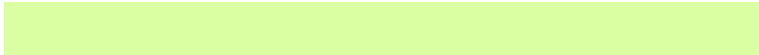
0.0000, 0.0000, 0.0000



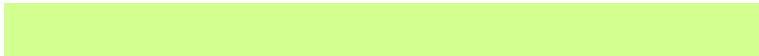
21.4041, 0.3127, 0.3290

Same Dimension

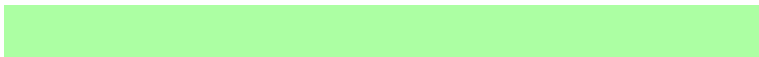
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0732, 0.3420, 0.4273



87.4122, 0.3467, 0.4474



82.9591, 0.3129, 0.4368



20.7052, 0.3207, 0.3529



40.9728, 0.3507, 0.5597



4.0531, 0.3583, 0.5537

Inverse Universe

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



45.6963, 0.2732, 0.2271



38.4518, 0.2635, 0.2054



52.9751, 0.3094, 0.2373



17.7341, 0.3042, 0.3049



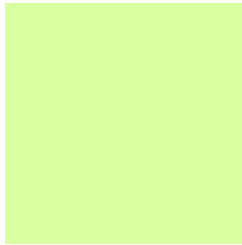
5.3456, 0.1846, 0.0790



0.5821, 0.1971, 0.0859

Previews

White Background



This preview shows how the Yxy color 89.0698, 0.3420, 0.4273 looks on a white background.

Color Contrast Check

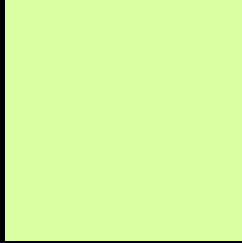
Large Text (above 18pt) WCAG AA × Fail

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 89.0698, 0.3420, 0.4273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

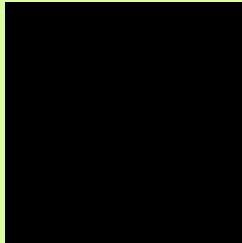
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.0698, 0.3420, 0.4273

Background



This preview shows how black text looks on a background with the Yxy color 89.0698, 0.3420, 0.4273.

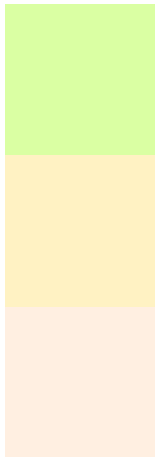


This preview shows how white text looks on a background with the Yxy color 89.0698, 0.3420, 0.4273.

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

89.0698, 0.3420, 0.4273

Protanopia

88.7044, 0.3511, 0.3760

Deuteranopia

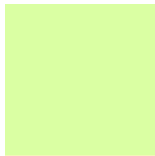
88.4292, 0.3323, 0.3429



Tritanopia

89.1541, 0.3012, 0.3170

Trichromacy



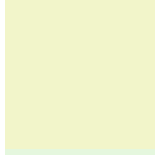
Original Color

89.0698, 0.3420, 0.4273



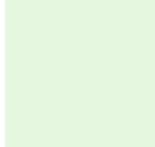
Protanomaly

88.8177, 0.3485, 0.3947



Deuteranomaly

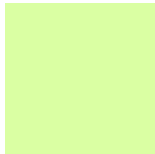
88.4463, 0.3371, 0.3730



Tritanomaly

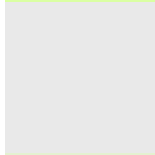
88.4535, 0.3160, 0.3549

Monochromacy



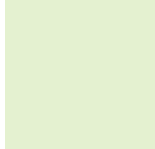
Original Color

89.0698, 0.3420, 0.4273



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.9586, 0.3243, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0698, 0.3420, 0.4273 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(218, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 163)  
}
```

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(218, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 163) }
```

Border

The CSS property to change the border of an element to Yxy 89.0698, 0.3420, 0.4273 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(218, 255, 163) }
```

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

```
.border{ border-color:rgb(218, 255, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0698, 0.3420, 0.4273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 163) }
```

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

```
.background{ background-color: rgb(218,  
255, 163) }
```

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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