

Converting Colors

$Yxy(89.5561, 0.3340, 0.4124)$

Have a look what the booklet for
Yxy(89.5561, 0.3340, 0.4124)
contains.

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Color

Yxy(89.5998, 0.3342, 0.4124)

Conversions

Conversions Part 1

Format	Color
Hex	DAFFB1
RGB	218, 255, 177
RGB Percent	85%, 100%, 69%
CMY	0.1451, 0.0000, 0.3059
CMYK	0.15, 0.00, 0.31, 0.00
HSL	88°, 100%, 85%
HSV	88°, 31%, 100%
XYZ	72.6097, 89.5998, 55.0548
YIQ	235.0450, 2.9860, -32.1020

Conversions

Conversions Part 2

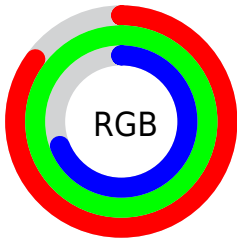
Format	Color
RYB	177, 255, 214
Decimal	14352305
CIELab	95.83, -24.95, 33.48
CIElCh	96, 41.753, 126.698
Yxy	89.5998, 0.3342, 0.4124
Android (android.graphics.Color)	4292542385 (0xFFDAFFB1)
YUV	235.0450, -28.6162, -14.9485
Hunter-Lab	94.6572, -28.7261, 31.7756

Details

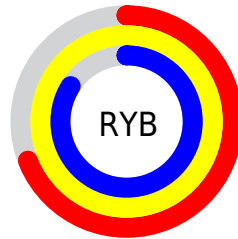
The Yxy color **89.5998, 0.3342, 0.4124** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.9525, 0.2847, 0.2451**, and the grayscale version is **83.3343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **49.5248, 0.3373, 0.4312** is the 20% darker color. If you saturate the color by 10%, you get **86.8801, 0.3402, 0.4423**, and if you desaturate by 10%, it is **92.6469, 0.3275, 0.3833**.

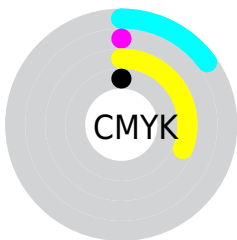
Distribution



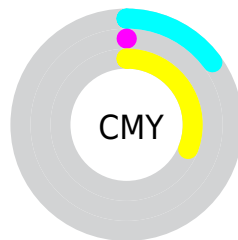
- Red (85%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (84%)



- Cyan (15%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5998, 0.3342, 0.4124 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 89.5998, 0.3342, 0.4124 by changing the saturation by 10% instead.


 89.5998, 0.3342,
0.4124

 89.5998, 0.3342,
0.4124


526.7282, 0.3256,
0.3739

 67.6488, 0.3358,
0.4211

 146.7824, 0.3315,
0.3991

 49.6120, 0.3376,
0.4318

182.7827, 0.3304,
0.3939

 35.1052, 0.3396,
0.4453


224.2349, 0.3294,
0.3894

 23.7440, 0.3417,
0.4626

271.5234, 0.3285,
0.3855

 15.1438, 0.3437,
0.4856

325.0326, 0.3276,
0.3820

 8.9204, 0.3447,
0.5174


385.1469, 0.3269,


 4.6893, 0.3429,


0.3790


0.5641


452.2506, 0.3262,
0.3763


 2.0661, 0.3423,
0.6577


 0.6455, 0.0068,
0.9932


 89.5998, 0.3342,
0.4124


 89.5998, 0.3342,
0.4124


 86.8801, 0.3402,
0.4423


 92.6469, 0.3275,
0.3833


 84.4722, 0.3449,
0.4719

 96.0319, 0.3204,
0.3559

 82.3622, 0.3479,
0.5000

 99.7672, 0.3131,
0.3304

 80.5340, 0.3489,
0.5249

 100.0000, 0.3127,
0.3290

■ 78.9694, 0.3475,
0.5452

■ 77.6473, 0.3439,
0.5600

■ 76.5952, 0.3389,
0.5691

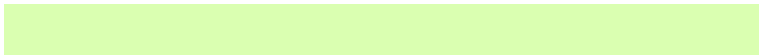
Harmonies

Analogous

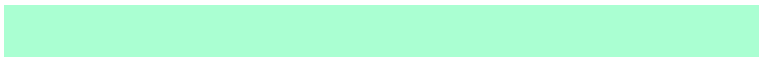
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5998, 0.3765, 0.4084



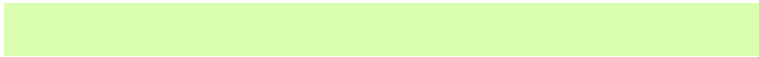
89.5998, 0.3342, 0.4124



89.5998, 0.2880, 0.3886

Triad

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



89.5998, 0.3342, 0.4124



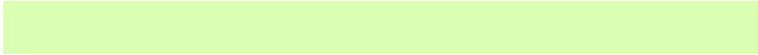
89.5998, 0.2294, 0.2679



89.5998, 0.3774, 0.3100

Complementary

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



89.5998, 0.3342, 0.4124



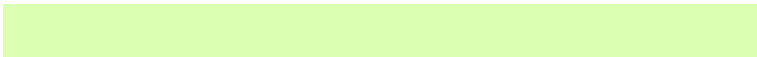
52.9525, 0.2847, 0.2451

Split Complementary

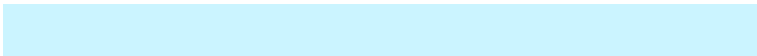
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.5998, 0.3332, 0.2786



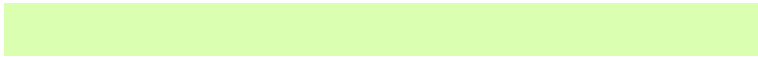
89.5998, 0.3342, 0.4124



89.5998, 0.2491, 0.2543

Square

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



89.5998, 0.3342, 0.4124



89.5998, 0.2297, 0.2999



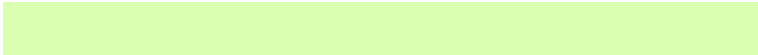
89.5998, 0.2860, 0.2587



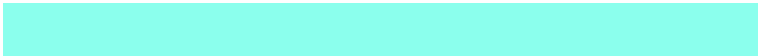
89.5998, 0.4035, 0.3471

Rectangle

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



89.5998, 0.3342, 0.4124



89.5998, 0.2613, 0.3606



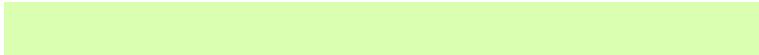
89.5998, 0.2860, 0.2587



89.5998, 0.3640, 0.2986

Sweetspot

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



89.6005, 0.3342, 0.4124



96.6032, 0.3192, 0.3517



72.2205, 0.3710, 0.3667



20.5653, 0.3203, 0.3555



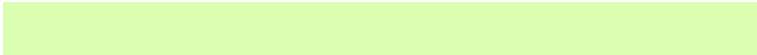
0.0000, 0.0000, 0.0000



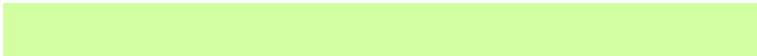
21.4041, 0.3127, 0.3290

Same Dimension

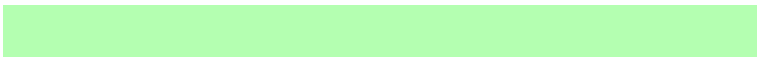
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6005, 0.3342, 0.4124



87.8209, 0.3381, 0.4315



84.3478, 0.3100, 0.4189



20.6381, 0.3196, 0.3530



40.1123, 0.3400, 0.5682



3.9707, 0.3484, 0.5616

Inverse Universe

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



52.9525, 0.2847, 0.2451



45.6221, 0.2772, 0.2257



59.4295, 0.3143, 0.2522



17.8001, 0.3053, 0.3050



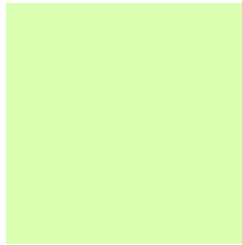
5.9809, 0.1972, 0.0860



0.6468, 0.2096, 0.0928

Previews

White Background



This preview shows how the Yxy color 89.5998, 0.3342, 0.4124 looks on a white background.

Color Contrast Check

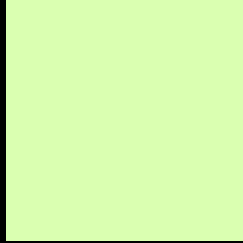
Large Text (above 18pt) WCAG AA × Fail

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 89.5998, 0.3342, 0.4124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

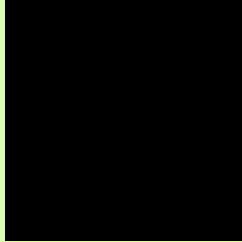
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

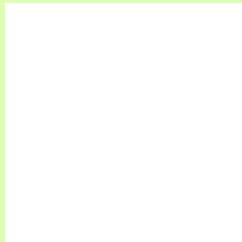
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5998, 0.3342, 0.4124

Background



This preview shows how black text looks on a background with the Yxy color 89.5998, 0.3342, 0.4124.

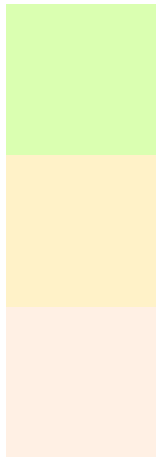


This preview shows how white text looks on a background with the Yxy color 89.5998, 0.3342, 0.4124.

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

89.5998, 0.3342, 0.4124

Protanopia

88.9344, 0.3479, 0.3709

Deuteranopia

89.1816, 0.3302, 0.3409



Tritanopia

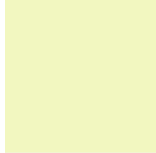
89.1541, 0.3012, 0.3170

Trichromacy



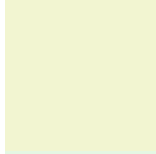
Original Color

89.5998, 0.3342, 0.4124



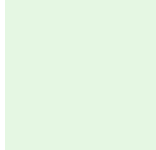
Protanomaly

89.2045, 0.3430, 0.3853



Deuteranomaly

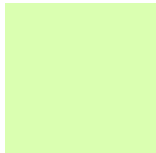
88.7855, 0.3327, 0.3657



Tritanomaly

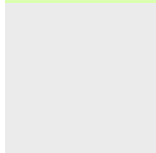
88.7256, 0.3130, 0.3496

Monochromacy



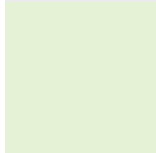
Original Color

89.5998, 0.3342, 0.4124



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

85.0173, 0.3212, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5998, 0.3342, 0.4124 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 177) }
```

Border

The CSS property to change the border of an element to Yxy 89.5998, 0.3342, 0.4124 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, 177) }
```

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

```
.border{ border-color:rgb(218, 255, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 255, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 255, 177); box-shadow:4px 4px 4px 4px rgb(218, 255, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5998, 0.3342, 0.4124 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, 177) }
```

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

```
.background{ background-color: rgb(218,  
255, 177) }
```

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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