

Converting Colors

$Yxy(90.0078, 0.3379, 0.4184)$

Have a look what the booklet for
Yxy(90.0078, 0.3379, 0.4184)
contains.

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Color

Yxy(89.5586, 0.3377, 0.4176)

Conversions

Conversions Part 1

Format	Color
Hex	DBFFAC
RGB	219, 255, 172
RGB Percent	86%, 100%, 67%
CMY	0.1411, 0.0000, 0.3256
CMYK	0.14, 0.00, 0.33, 0.00
HSL	86°, 100%, 84%
HSV	86°, 33%, 100%
XYZ	72.4232, 89.5586, 52.4784
YIQ	234.7740, 5.1870, -33.4450

Conversions

Conversions Part 2

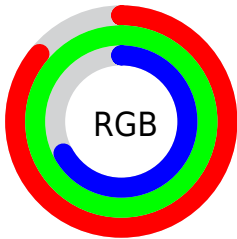
Format	Color
RYB	172, 255, 208
Decimal	14417836
CIELab	95.81, -25.27, 35.97
CIELCh	96, 43.961, 125.086
Yxy	89.5586, 0.3377, 0.4176
Android (android.graphics.Color)	4292607916 (0xFFDBFFAC)
YUV	234.7740, -30.9476, -13.8338
Hunter-Lab	94.6354, -29.0083, 33.3665

Details

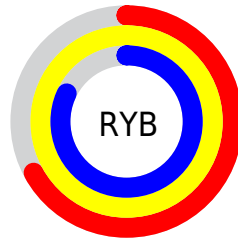
The Yxy color **89.5586, 0.3377, 0.4176** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.1103, 0.2798, 0.2385**, and the grayscale version is **83.1369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **49.5066, 0.3415, 0.4377** is the 20% darker color. If you saturate the color by 10%, you get **87.0173, 0.3442, 0.4470**, and if you desaturate by 10%, it is **92.4080, 0.3304, 0.3887**.

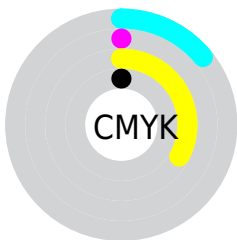
Distribution



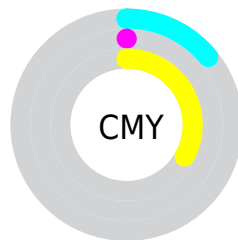
- Red (86%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (82%)



- Cyan (14%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5586, 0.3377, 0.4176 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 89.5586, 0.3377, 0.4176 by changing the saturation by 10% instead.

 89.5586, 0.3377,
0.4176

 89.5586, 0.3377,
0.4176


526.5939, 0.3277,
0.3767

 67.6146, 0.3396,
0.4268


 146.7251, 0.3346,
0.4035

 49.5843, 0.3417,
0.4382


182.7164, 0.3332,
0.3979

 35.0832, 0.3440,
0.4524


224.1590, 0.3321,
0.3932

 23.7270, 0.3464,
0.4706

271.4371, 0.3310,
0.3890

 15.1312, 0.3487,
0.4947

324.9353, 0.3301,
0.3854

 8.9115, 0.3498,
0.5277

385.0379, 0.3292,


 4.6835, 0.3489,


0.3821


0.5775


452.1293, 0.3284,
0.3793


 2.0628, 0.3403,
0.6597


 0.6436, 0.0000,
1.0000


 89.5586, 0.3377,
0.4176

 89.5586, 0.3377,
0.4176


 87.0173, 0.3442,
0.4470

 92.4080, 0.3304,
0.3887

 84.7615, 0.3493,
0.4758

 95.5678, 0.3226,
0.3611

 82.7803, 0.3526,
0.5026

 99.0528, 0.3147,
0.3353

 81.0579, 0.3537,
0.5259

100.0000, 0.3127,
0.3290

■ 79.5767, 0.3523,
0.5445

■ 78.3153, 0.3487,
0.5577

■ 77.4981, 0.3449,
0.5644

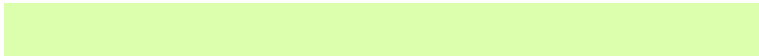
Harmonies

Analogous

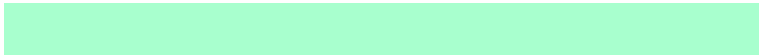
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5586, 0.3817, 0.4115



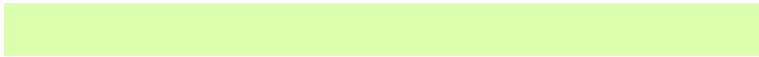
89.5586, 0.3377, 0.4176



89.5586, 0.2891, 0.3940

Triad

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



89.5586, 0.3377, 0.4176



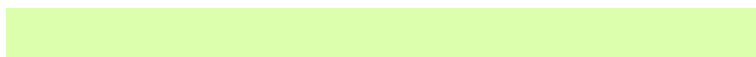
89.5586, 0.2248, 0.2660



89.5586, 0.3787, 0.3069

Complementary

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



89.5586, 0.3377, 0.4176



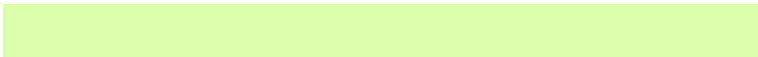
50.1103, 0.2798, 0.2385

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.



89.5586, 0.3314, 0.2747



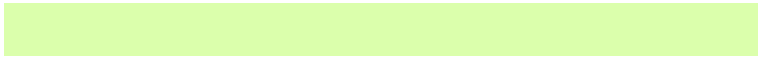
89.5586, 0.3377, 0.4176



89.5586, 0.2443, 0.2509

Square

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



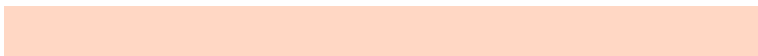
89.5586, 0.3377, 0.4176



89.5586, 0.2263, 0.3004



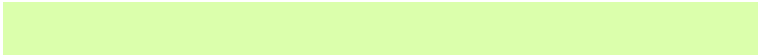
89.5586, 0.2821, 0.2546



89.5586, 0.4076, 0.3456

Rectangle

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



89.5586, 0.3377, 0.4176



89.5586, 0.2606, 0.3649



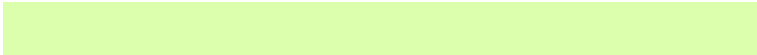
89.5586, 0.2821, 0.2546



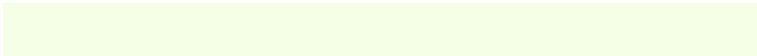
89.5586, 0.3642, 0.2952

Sweetspot

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



89.5618, 0.3377, 0.4176



96.4300, 0.3206, 0.3543



68.6502, 0.3769, 0.3650



20.5383, 0.3217, 0.3580



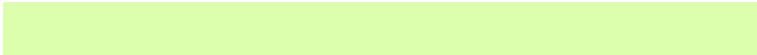
0.0000, 0.0000, 0.0000



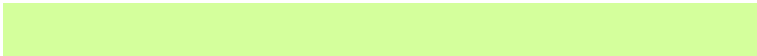
21.4041, 0.3127, 0.3290

Same Dimension

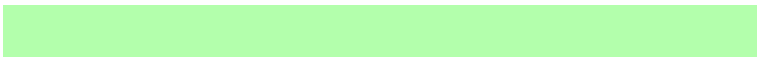
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5618, 0.3377, 0.4176



87.8904, 0.3420, 0.4365



84.0666, 0.3122, 0.4250



20.6762, 0.3202, 0.3530



40.5844, 0.3460, 0.5635



4.0162, 0.3540, 0.5571

Inverse Universe

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



50.1103, 0.2798, 0.2385



42.9376, 0.2716, 0.2187



56.6815, 0.3110, 0.2464



17.7625, 0.3047, 0.3049



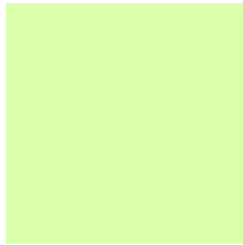
5.6045, 0.1898, 0.0819



0.6088, 0.2023, 0.0888

Previews

White Background



This preview shows how the Yxy color 89.5586, 0.3377, 0.4176 looks on a white background.

Color Contrast Check

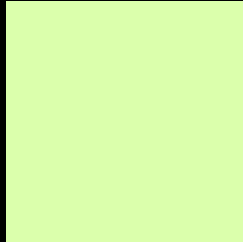
Large Text (above 18pt) WCAG AA × Fail

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 89.5586, 0.3377, 0.4176 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

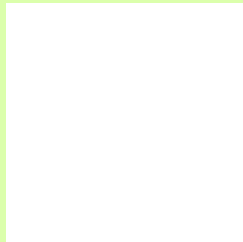
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5586, 0.3377, 0.4176

Background



This preview shows how black text looks on a background with the Yxy color 89.5586, 0.3377, 0.4176.

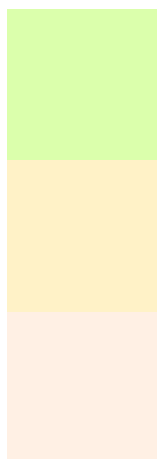


This preview shows how white text looks on a background with the Yxy color 89.5586, 0.3377, 0.4176.

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

89.5586, 0.3377, 0.4176

Protanopia

88.8878, 0.3486, 0.3719

Deuteranopia

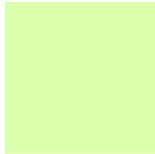
89.1816, 0.3302, 0.3409



Tritanopia

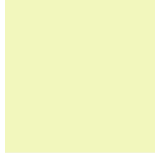
89.1541, 0.3012, 0.3170

Trichromacy



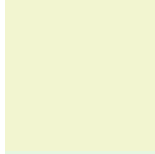
Original Color

89.5586, 0.3377, 0.4176



Protanomaly

89.0729, 0.3448, 0.3884



Deuteranomaly

88.7361, 0.3334, 0.3668



Tritanomaly

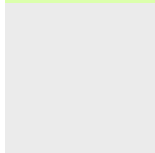
88.7808, 0.3149, 0.3517

Monochromacy



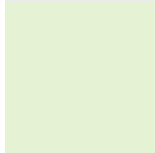
Original Color

89.5586, 0.3377, 0.4176



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.9157, 0.3224, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5586, 0.3377, 0.4176 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 172) }
```

Border

The CSS property to change the border of an element to Yxy 89.5586, 0.3377, 0.4176 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, 172) }
```

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

```
.border{ border-color:rgb(219, 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(219, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5586, 0.3377, 0.4176 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, 172) }
```

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

```
.background{ background-color: rgb(219,  
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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