

Converting Colors

$Y_{xy}(100.0000, 0.3374, 0.4384)$

Have a look what the booklet for
Yxy(100.0000, 0.3374, 0.4384)
contains.

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Color

Yxy(89.1786, 0.3403, 0.4241)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DAFFA6 |
| RGB | 218, 255, 166 |
| RGB Percent | 85%, 100%, 65% |
| CMY | 0.1451, 0.0000, 0.3488 |
| CMYK | 0.15, 0.00, 0.35, 0.00 |
| HSL | 85°, 100%, 83% |
| HSV | 85°, 35%, 100% |
| XYZ | 71.5574, 89.1786, 49.5413 |
| YIQ | 233.7910, 6.5170, -35.5230 |

Conversions

Conversions Part 2

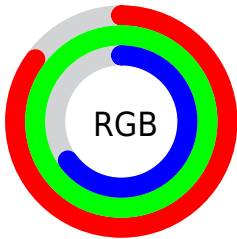
| Format | Color |
|-------------------------------------|--|
| RYB | 166, 255, 203 |
| Decimal | 14352294 |
| CIELab | 95.66, -26.41, 38.68 |
| CIELCh | 96, 46.840, 124.328 |
| Yxy | 89.1786, 0.3403, 0.4241 |
| Android (android.graphics.Color) | 4292542374 (0xFFDAFFA6) |
| YUV | 233.7910, -33.4210, -13.8487 |
| Hunter-Lab | 94.4344, -30.0025, 34.9999 |

Details

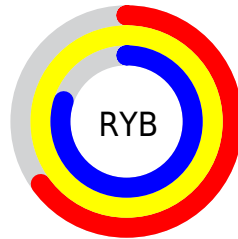
The Yxy color **89.1786, 0.3403, 0.4241** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.2162, 0.2758, 0.2311**, and the grayscale version is **82.3680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **49.2618, 0.3447, 0.4460** is the 20% darker color. If you saturate the color by 10%, you get **86.7497, 0.3468, 0.4533**, and if you desaturate by 10%, it is **91.8981, 0.3328, 0.3951**.

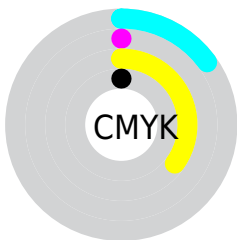
Distribution



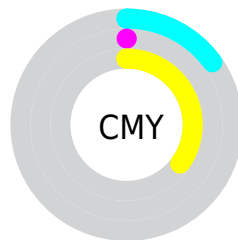
- Red (85%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (80%)



- Cyan (15%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.1786, 0.3403, 0.4241 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 89.1786, 0.3403, 0.4241 by changing the saturation by 10% instead.


 89.1786, 0.3403,
0.4241


 89.1786, 0.3403,
0.4241


525.3552, 0.3293,
0.3801

 67.2996, 0.3423,
0.4340


 146.1969, 0.3369,
0.4089

 49.3281, 0.3446,
0.4462


 182.1050, 0.3354,
0.4030

 34.8798, 0.3470,
0.4614


223.4582, 0.3341,
0.3979

 23.5703, 0.3495,
0.4808

270.6410, 0.3330,
0.3934

 15.0152, 0.3516,
0.5064

324.0376, 0.3319,
0.3895

 8.8301, 0.3522,
0.5412

384.0327, 0.3310,

 4.6305, 0.3524,

0.3860

0.5976

451.0104, 0.3301,
0.3829

■ 2.0321, 0.3326,
0.6674

■ 0.6260, 0.0000,
1.0000

■ 89.1786, 0.3403,
0.4241

■ 89.1786, 0.3403,
0.4241

■ 86.7497, 0.3468,
0.4533

■ 91.8981, 0.3328,
0.3951

■ 84.5980, 0.3518,
0.4814

■ 94.9196, 0.3248,
0.3673

■ 82.7094, 0.3549,
0.5072

■ 98.2547, 0.3167,
0.3411

■ 81.0682, 0.3557,
0.5292

100.0000, 0.3127,
0.3290

■ 79.6561, 0.3540,
0.5463

■ 78.4513, 0.3501,
0.5580

■ 77.8998, 0.3475,
0.5623

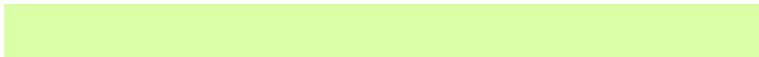
Harmonies

Analogous

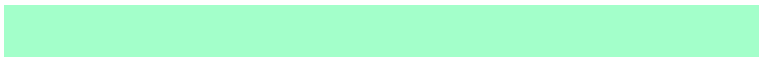
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1786, 0.3869, 0.4162



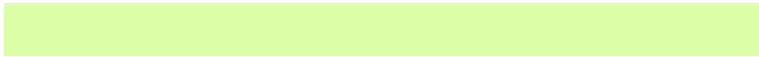
89.1786, 0.3403, 0.4241



89.1786, 0.2885, 0.3998

Triad

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



89.1786, 0.3403, 0.4241



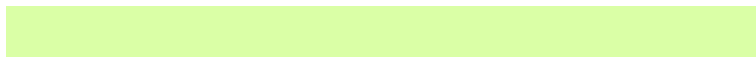
89.1786, 0.2193, 0.2625



89.1786, 0.3820, 0.3044

Complementary

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



89.1786, 0.3403, 0.4241



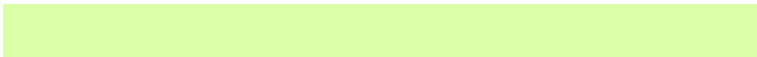
47.2162, 0.2758, 0.2311

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.



89.1786, 0.3311, 0.2707



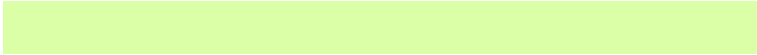
89.1786, 0.3403, 0.4241



89.1786, 0.2393, 0.2463

Square

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



89.1786, 0.3403, 0.4241



89.1786, 0.2213, 0.2994



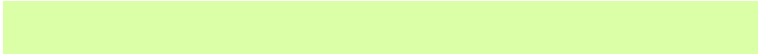
89.1786, 0.2788, 0.2499



89.1786, 0.4136, 0.3451

Rectangle

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



89.1786, 0.3403, 0.4241



89.1786, 0.2582, 0.3687



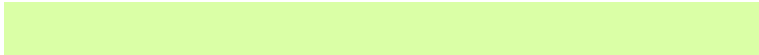
89.1786, 0.2788, 0.2499



89.1786, 0.3664, 0.2921

Sweetspot

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



89.1788, 0.3403, 0.4241



96.5080, 0.3209, 0.3542



66.0829, 0.3833, 0.3662



20.5572, 0.3220, 0.3579



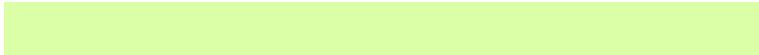
0.0000, 0.0000, 0.0000



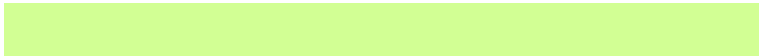
21.4041, 0.3127, 0.3290

Same Dimension

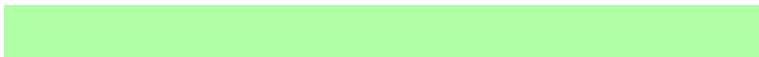
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1788, 0.3403, 0.4241



87.4207, 0.3450, 0.4449



83.3827, 0.3130, 0.4327



20.6921, 0.3205, 0.3529



40.7940, 0.3486, 0.5614



4.0361, 0.3564, 0.5553

Inverse Universe

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



47.2162, 0.2758, 0.2311



39.6355, 0.2661, 0.2089



54.1228, 0.3096, 0.2403



17.7469, 0.3044, 0.3049



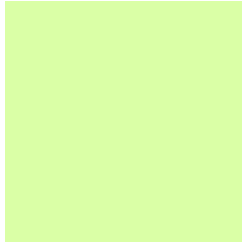
5.4598, 0.1869, 0.0803



0.5939, 0.1994, 0.0872

Previews

White Background



This preview shows how the Yxy color 89.1786, 0.3403, 0.4241 looks on a white background.

Color Contrast Check

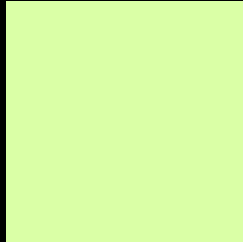
Large Text (above 18pt) WCAG AA × Fail

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 89.1786, 0.3403, 0.4241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

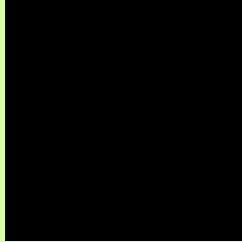
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

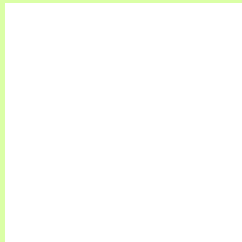
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1786, 0.3403, 0.4241

Background



This preview shows how black text looks on a background with the Yxy color 89.1786, 0.3403, 0.4241.

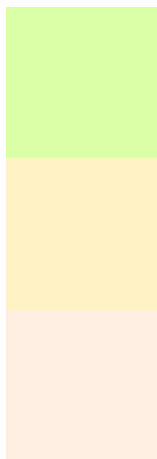


This preview shows how white text looks on a background with the Yxy color 89.1786, 0.3403, 0.4241.

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

89.1786, 0.3403, 0.4241

Protanopia

88.7498, 0.3505, 0.3750

Deuteranopia

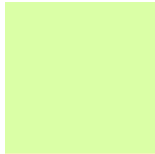
88.4840, 0.3316, 0.3419



Tritanopia

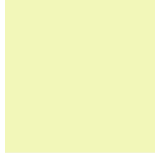
89.1541, 0.3012, 0.3170

Trichromacy



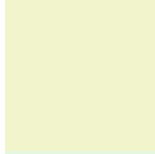
Original Color

89.1786, 0.3403, 0.4241



Protanomaly

88.9016, 0.3473, 0.3926



Deuteranomaly

88.5417, 0.3359, 0.3709



Tritanomaly

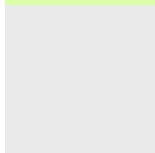
88.5073, 0.3154, 0.3538

Monochromacy



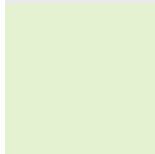
Original Color

89.1786, 0.3403, 0.4241



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.6017, 0.3236, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1786, 0.3403, 0.4241 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(218, 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(218, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 166) }
```

Border

The CSS property to change the border of an element to Yxy 89.1786, 0.3403, 0.4241 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, 166) }
```

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

```
.border{ border-color:rgb(218, 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(218, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1786, 0.3403, 0.4241 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, 166) }
```

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

```
.background{ background-color: rgb(218,  
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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