

Converting Colors

$Yxy(86.3458, 0.3424, 0.4083)$

Have a look what the booklet for
Yxy(86.3458, 0.3424, 0.4083)
contains.

Yxy(86.1983, 0.3419, 0.4079)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.1983, 0.3419, 0.4079)

Conversions

Conversions Part 1

Format	Color
Hex	E1F8AE
RGB	225, 248, 174
RGB Percent	88%, 97%, 68%
CMY	0.1178, 0.0274, 0.3176
CMYK	0.09, 0.00, 0.30, 0.03
HSL	79°, 84%, 83%
HSV	79°, 30%, 97%
XYZ	72.2510, 86.1983, 52.8728
YIQ	232.6870, 10.0460, -27.8900

Conversions

Conversions Part 2

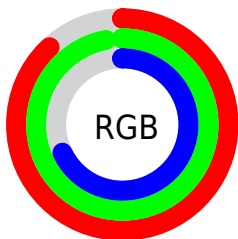
Format	Color
RYB	174, 248, 197
Decimal	14809262
CIELab	94.40, -19.53, 33.14
CIELCh	94, 38.464, 120.508
Yxy	86.1983, 0.3419, 0.4079
Android (android.graphics.Color)	4292999342 (0xFFE1F8AE)
YUV	232.6870, -28.9327, -6.7415
Hunter-Lab	92.8430, -23.5655, 31.2253

Details

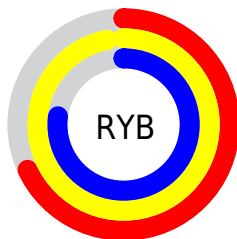
The Yxy color **86.1983, 0.3419, 0.4079** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.9266, 0.2764, 0.2454**, and the grayscale version is **81.4522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4932, 0.3274, 0.3532**, and **47.5148, 0.3471, 0.4265** is the 20% darker color. If you saturate the color by 10%, you get **84.1094, 0.3508, 0.4358**, and if you desaturate by 10%, it is **88.5296, 0.3323, 0.3803**.

Distribution



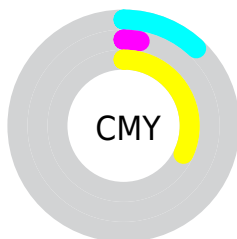
- Red (88%)
- Green (97%)
- Blue (68%)



- Red (68%)
- Yellow (97%)
- Blue (77%)



- Cyan (9%)
- Magenta (0%)
- Yellow (30%)
- Black (3%)





- Cyan (12%)
- Magenta (3%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.1983, 0.3419, 0.4079 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 86.1983, 0.3419, 0.4079 by changing the saturation by 10% instead.

 86.1983, 0.3419,
0.4079

 86.1983, 0.3419,
0.4079


515.5849, 0.3297,
0.3715

 64.8320, 0.3444,
0.4161


 142.0462, 0.3379,
0.3953

 47.3248, 0.3472,
0.4262


177.2965, 0.3363,
0.3904

 33.2925, 0.3505,
0.4389


217.9436, 0.3349,
0.3862

 22.3506, 0.3544,
0.4552

264.3719, 0.3336,
0.3825

 14.1148, 0.3587,
0.4768

316.9658, 0.3324,
0.3792

 8.2005, 0.3629,
0.5065


376.1097, 0.3314,


 4.2235, 0.3669,


0.3763


0.5516


442.1879, 0.3305,
0.3738


 1.7994, 0.3694,
0.6306


 0.4868, 0.0000,
1.0000


 86.1983, 0.3419,
0.4079

 86.1983, 0.3419,
0.4079

 84.1094, 0.3508,
0.4358

 88.5296, 0.3323,
0.3803

 82.2408, 0.3585,
0.4630

 91.1016, 0.3224,
0.3537

 80.5848, 0.3644,
0.4882

 93.9273, 0.3126,
0.3286

 79.1286, 0.3681,
0.5101

 95.6237, 0.3130,
0.3223

■ 77.8577, 0.3693,
0.5278

■ 76.7548, 0.3680,
0.5405

■ 75.7925, 0.3645,
0.5487

■ 75.7780, 0.3644,
0.5488

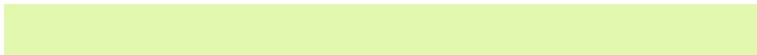
Harmonies

Analogous

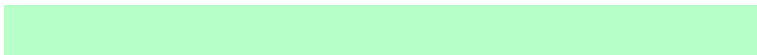
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1983, 0.3791, 0.3997



86.1983, 0.3419, 0.4079



86.1983, 0.2984, 0.3908

Triad

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



86.1983, 0.3419, 0.4079



86.1983, 0.2330, 0.2769



86.1983, 0.3655, 0.3046

Complementary

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



86.1983, 0.3419, 0.4079



48.9266, 0.2764, 0.2454

Split Complementary

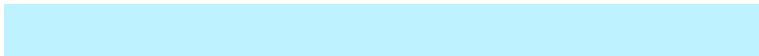
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.1983, 0.3226, 0.2768



86.1983, 0.3419, 0.4079



86.1983, 0.2478, 0.2602

Square

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



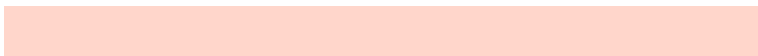
86.1983, 0.3419, 0.4079



86.1983, 0.2373, 0.3101



86.1983, 0.2796, 0.2608



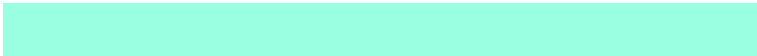
86.1983, 0.3943, 0.3390

Rectangle

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



86.1983, 0.3419, 0.4079



86.1983, 0.2719, 0.3671



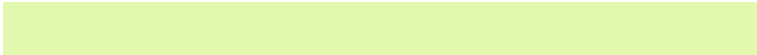
86.1983, 0.2796, 0.2608



86.1983, 0.3521, 0.2943

Sweetspot

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



86.2021, 0.3419, 0.4079



97.2788, 0.3216, 0.3515



62.5870, 0.3729, 0.3529



20.7320, 0.3230, 0.3553



0.0000, 0.0000, 0.0000



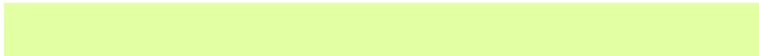
21.4041, 0.3127, 0.3290

Same Dimension

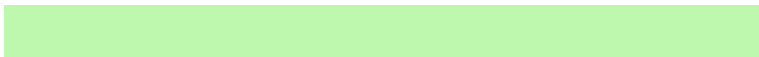
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2021, 0.3419, 0.4079



90.4076, 0.3475, 0.4253



80.9932, 0.3178, 0.4142



19.9038, 0.3221, 0.3528



41.0077, 0.3653, 0.5481



3.8542, 0.3719, 0.5429

Inverse Universe

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



48.9266, 0.2764, 0.2454



44.6637, 0.2670, 0.2256



54.4093, 0.3044, 0.2519



16.9051, 0.3028, 0.3048



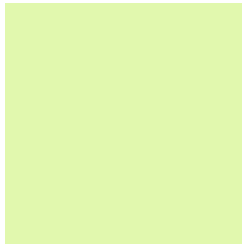
4.5835, 0.1715, 0.0718



0.4781, 0.1840, 0.0787

Previews

White Background



This preview shows how the Yxy color 86.1983, 0.3419, 0.4079 looks on a white background.

Color Contrast Check

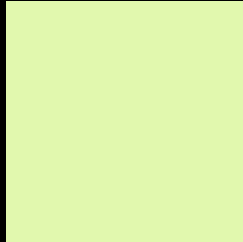
Large Text (above 18pt) WCAG AA × Fail

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 86.1983, 0.3419, 0.4079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

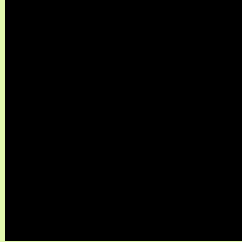
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.1983, 0.3419, 0.4079

Background



This preview shows how black text looks on a background with the Yxy color 86.1983, 0.3419, 0.4079.

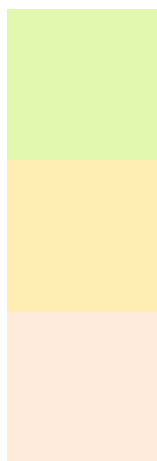


This preview shows how white text looks on a background with the Yxy color 86.1983, 0.3419, 0.4079.

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

86.1983, 0.3419, 0.4079

Protanopia

85.6637, 0.3625, 0.3884

Deuteranopia

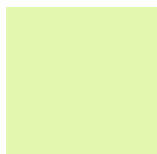
85.7911, 0.3367, 0.3450



Tritanopia

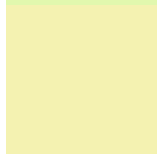
86.2019, 0.3012, 0.3120

Trichromacy



Original Color

86.1983, 0.3419, 0.4079



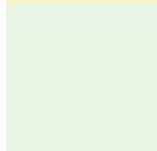
Protanomaly

85.9117, 0.3548, 0.3959



Deuteranomaly

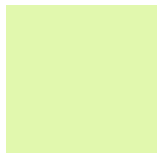
85.8651, 0.3387, 0.3669



Tritanomaly

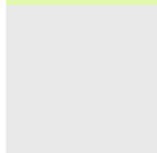
86.1511, 0.3159, 0.3455

Monochromacy



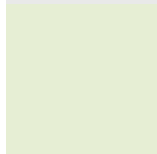
Original Color

86.1983, 0.3419, 0.4079



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

82.7255, 0.3235, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1983, 0.3419, 0.4079 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(225, 248, 174)` looks like.

```
.text, #text, p{  
    color:rgb(225, 248, 174)  
}
```

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(225, 248, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 248, 174) }
```

Border

The CSS property to change the border of an element to Yxy 86.1983, 0.3419, 0.4079 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(225, 248, 174) }
```

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

```
.border{ border-color:rgb(225, 248, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 248, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 248, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 248, 174); box-shadow:4px 4px 4px 4px rgb(225, 248, 174) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1983, 0.3419, 0.4079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 248, 174) }
```

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

```
.background{ background-color: rgb(225,  
248, 174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor