

Converting Colors

Yxy(86.7097, 0.3436, 0.4171)

Have a look what the booklet for
Yxy(86.7097, 0.3436, 0.4171)
contains.

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Color

Yxy(86.6908, 0.3435, 0.4178)

Conversions

Conversions Part 1

Format	Color
Hex	DEFAA7
RGB	222, 250, 167
RGB Percent	87%, 98%, 65%
CMY	0.1296, 0.0195, 0.3451
CMYK	0.11, 0.00, 0.33, 0.02
HSL	80°, 89%, 82%
HSV	80°, 33%, 98%
XYZ	71.2740, 86.6908, 49.5287
YIQ	232.1660, 9.9550, -31.7490

Conversions

Conversions Part 2

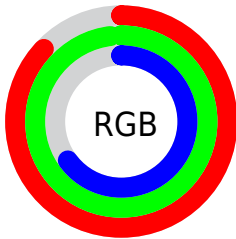
Format	Color
RYB	167, 250, 195
Decimal	14613159
CIELab	94.61, -22.50, 36.89
CIELCh	95, 43.207, 121.379
Yxy	86.6908, 0.3435, 0.4178
Android (android.graphics.Color)	4292803239 (0xFFDEFAA7)
YUV	232.1660, -32.1268, -8.9156
Hunter-Lab	93.1079, -26.2972, 33.6362

Details

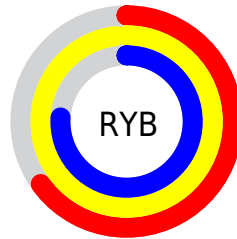
The Yxy color **86.6908, 0.3435, 0.4178** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.1449, 0.2730, 0.2351**, and the grayscale version is **81.0628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **47.4618, 0.3491, 0.4379** is the 20% darker color. If you saturate the color by 10%, you get **84.5570, 0.3516, 0.4459**, and if you desaturate by 10%, it is **89.0779, 0.3345, 0.3897**.

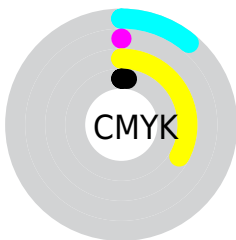
Distribution



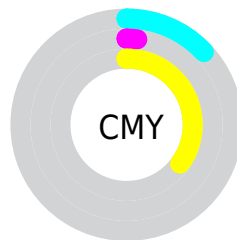
- Red (87%)
- Green (98%)
- Blue (65%)



- Red (65%)
- Yellow (98%)
- Blue (76%)



- Cyan (11%)
- Magenta (0%)
- Yellow (33%)
- Black (2%)





- Cyan (13%)
- Magenta (2%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.6908, 0.3435, 0.4178 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 86.6908, 0.3435, 0.4178 by changing the saturation by 10% instead.


 86.6908, 0.3435,
0.4178

 86.6908, 0.3435,
0.4178


517.2063, 0.3308,
0.3767

 65.2394, 0.3460,
0.4271


 142.7331, 0.3394,
0.4036

 47.6552, 0.3488,
0.4384


 178.0927, 0.3378,
0.3981

 33.5539, 0.3520,
0.4527


218.8572, 0.3363,
0.3933

 22.5511, 0.3555,
0.4709

265.4110, 0.3350,
0.3891

 14.2624, 0.3591,
0.4950

318.1383, 0.3338,
0.3855

 8.3034, 0.3618,
0.5277


377.4238, 0.3327,


 4.2897, 0.3659,

0.3822

0.5816


443.6516, 0.3317,
0.3793

 1.8369, 0.3517,
0.6483

 0.5100, 0.0000,
1.0000


 86.6908, 0.3435,
0.4178


 86.6908, 0.3435,
0.4178


 84.5570, 0.3516,
0.4459


 89.0779, 0.3345,
0.3897

 82.6536, 0.3582,
0.4730

 91.7172, 0.3252,
0.3625

 80.9722, 0.3630,
0.4978

 94.6224, 0.3157,
0.3369

 79.4988, 0.3655,
0.5190

 96.8622, 0.3129,
0.3243

■ 78.2177, 0.3654,
0.5355

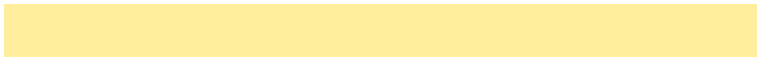
■ 77.1098, 0.3628,
0.5470

■ 76.4377, 0.3600,
0.5524

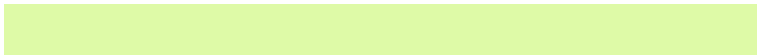
Harmonies

Analogous

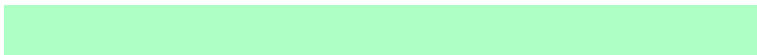
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6908, 0.3857, 0.4085



86.6908, 0.3435, 0.4178



86.6908, 0.2950, 0.3980

Triad

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



86.6908, 0.3435, 0.4178



86.6908, 0.2244, 0.2697



86.6908, 0.3732, 0.3027

Complementary

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



86.6908, 0.3435, 0.4178



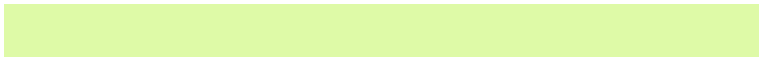
46.1449, 0.2730, 0.2351

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.



86.6908, 0.3250, 0.2718



86.6908, 0.3435, 0.4178



86.6908, 0.2412, 0.2522

Square

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



86.6908, 0.3435, 0.4178



86.6908, 0.2284, 0.3060



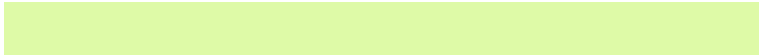
86.6908, 0.2769, 0.2537



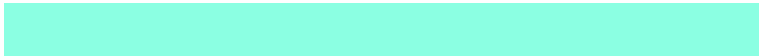
86.6908, 0.4049, 0.3406

Rectangle

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



86.6908, 0.3435, 0.4178



86.6908, 0.2657, 0.3705



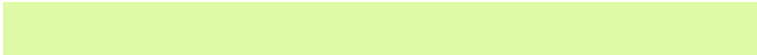
86.6908, 0.2769, 0.2537



86.6908, 0.3581, 0.2913

Sweetspot

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



86.6946, 0.3435, 0.4178



96.8671, 0.3221, 0.3541



61.9969, 0.3808, 0.3586



20.6442, 0.3235, 0.3578



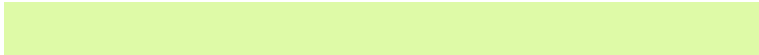
0.0000, 0.0000, 0.0000



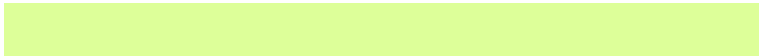
21.4041, 0.3127, 0.3290

Same Dimension

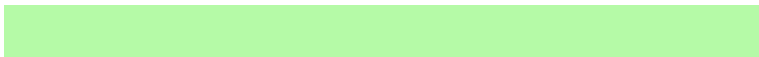
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6946, 0.3435, 0.4178



89.1182, 0.3491, 0.4371



80.9745, 0.3165, 0.4258



19.8799, 0.3216, 0.3528



40.6208, 0.3609, 0.5516



3.8204, 0.3680, 0.5460

Inverse Universe

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



46.1449, 0.2730, 0.2351



40.6268, 0.2627, 0.2133



52.3999, 0.3054, 0.2435



16.9280, 0.3032, 0.3048



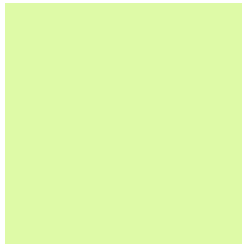
4.7435, 0.1750, 0.0738



0.4951, 0.1878, 0.0808

Previews

White Background



This preview shows how the Yxy color 86.6908, 0.3435, 0.4178 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 86.6908, 0.3435, 0.4178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

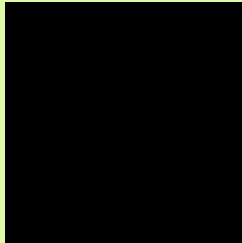
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.6908, 0.3435, 0.4178

Background



This preview shows how black text looks on a background with the Yxy color 86.6908, 0.3435, 0.4178.

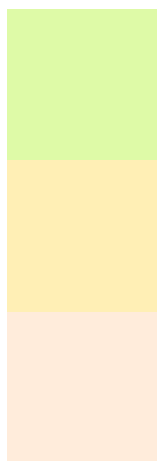


This preview shows how white text looks on a background with the Yxy color 86.6908, 0.3435, 0.4178.

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

86.6908, 0.3435, 0.4178

Protanopia

86.3292, 0.3609, 0.3873

Deuteranopia

86.3654, 0.3366, 0.3460



Tritanopia

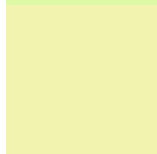
86.6152, 0.3006, 0.3130

Trichromacy



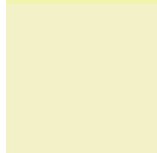
Original Color

86.6908, 0.3435, 0.4178



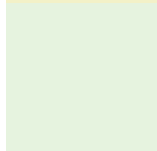
Protanomaly

86.2905, 0.3544, 0.3980



Deuteranomaly

86.1354, 0.3397, 0.3711



Tritanomaly

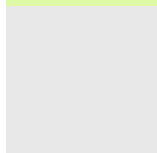
86.2519, 0.3163, 0.3498

Monochromacy



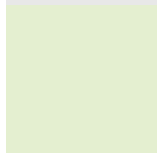
Original Color

86.6908, 0.3435, 0.4178



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.7811, 0.3246, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6908, 0.3435, 0.4178 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(222, 250, 167)` looks like.

```
.text, #text, p{  
    color:rgb(222, 250, 167)  
}
```

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(222, 250, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 250, 167) }
```

Border

The CSS property to change the border of an element to Yxy 86.6908, 0.3435, 0.4178 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(222, 250, 167) }
```

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

```
.border{ border-color:rgb(222, 250, 167) }
```

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

Here you see how a box with a 4 pixel rgb(222, 250, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 250, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 250, 167);  
box-shadow:4px 4px 4px 4px rgb(222, 250,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6908, 0.3435, 0.4178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 250, 167) }
```

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

```
.background{ background-color: rgb(222,  
250, 167) }
```

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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