

Converting Colors

$Y_{xy}(100.0000, 0.3044, 0.4138)$

Have a look what the booklet for
Yxy(100.0000, 0.3044, 0.4138)
contains.

Yxy(86.3700, 0.3049, 0.3941)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.3700, 0.3049, 0.3941)

Conversions

Conversions Part 1

Format	Color
Hex	BDFFC5
RGB	189, 255, 197
RGB Percent	74%, 100%, 77%
CMY	0.2589, 0.0000, 0.2275
CMYK	0.26, 0.00, 0.23, 0.00
HSL	127°, 100%, 87%
HSV	127°, 26%, 100%
XYZ	66.8211, 86.3700, 65.9664
YIQ	228.6540, -20.7180, -32.0300

Conversions

Conversions Part 2

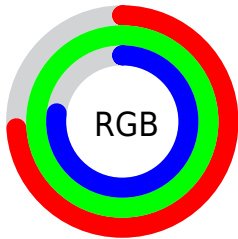
Format	Color
RYB	189, 248, 255
Decimal	12451781
CIELab	94.47, -31.57, 21.23
CIELCh	94, 38.049, 146.079
Yxy	86.3700, 0.3049, 0.3941
Android (android.graphics.Color)	4290641861 (0xFFBDFFC5)
YUV	228.6540, -15.6054, -34.7766
Hunter-Lab	92.9355, -34.2945, 22.9702

Details

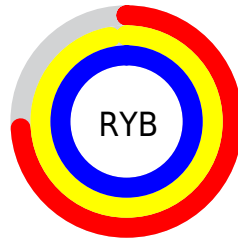
The Yxy color **86.3700, 0.3049, 0.3941** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.3659, 0.3216, 0.2716**, and the grayscale version is **78.2114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2686, 0.3077, 0.3300**, and **47.4397, 0.3023, 0.4099** is the 20% darker color. If you saturate the color by 10%, you get **82.4371, 0.3020, 0.4244**, and if you desaturate by 10%, it is **91.0255, 0.3079, 0.3665**.

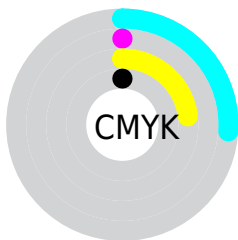
Distribution



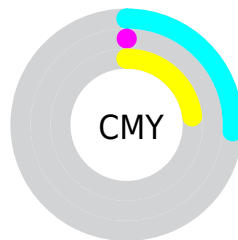
- Red (74%)
- Green (100%)
- Blue (77%)



- Red (74%)
- Yellow (97%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3700, 0.3049, 0.3941 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 86.3700, 0.3049, 0.3941 by changing the saturation by 10% instead.

 86.3700, 0.3049,
0.3941

 86.3700, 0.3049,
0.3941

516.1505, 0.3091,
0.3636

 64.9740, 0.3038,
0.4011


 142.2857, 0.3065,
0.3835

 47.4400, 0.3024,
0.4099


177.5742, 0.3070,
0.3793

 33.3836, 0.3005,
0.4210


218.2622, 0.3075,
0.3758

 22.4205, 0.2979,
0.4356

264.7343, 0.3079,
0.3727

 14.1662, 0.2939,
0.4556

317.3748, 0.3083,
0.3700

 8.2363, 0.2877,
0.4844

376.5680, 0.3086,

 4.2465, 0.2765,

0.3676

0.5294

442.6984, 0.3088,
0.3655

1.8124, 0.2662,
0.6418

0.4949, 0.0000,
1.0000

86.3700, 0.3049,
0.3941

86.3700, 0.3049,
0.3941

82.4371, 0.3020,
0.4244

91.0255, 0.3079,
0.3665

79.1951, 0.2993,
0.4566


96.4428, 0.3110,
0.3420

76.6024, 0.2973,
0.4895


100.0000, 0.3127,
0.3290

74.6148, 0.2959,
0.5212

 73.1828, 0.2955,
0.5495

 72.2486, 0.2961,
0.5724

 71.7418, 0.2974,
0.5882

 71.6185, 0.2980,
0.5927

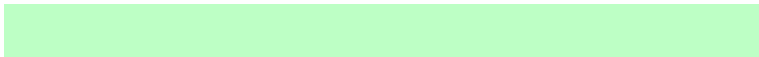
Harmonies

Analogous

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



86.3700, 0.3477, 0.4073



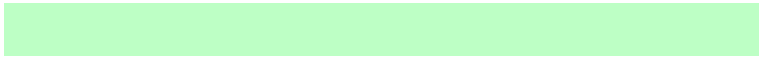
86.3700, 0.3049, 0.3941



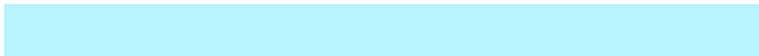
86.3700, 0.2659, 0.3590

Triad

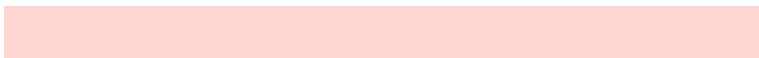
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3700, 0.3049, 0.3941



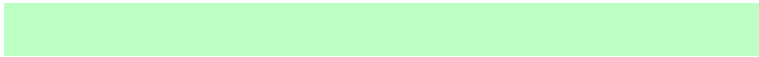
86.3700, 0.2452, 0.2622



86.3700, 0.3905, 0.3337

Complementary

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



86.3700, 0.3049, 0.3941



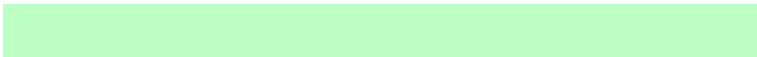
64.3659, 0.3216, 0.2716

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.



86.3700, 0.3592, 0.3003



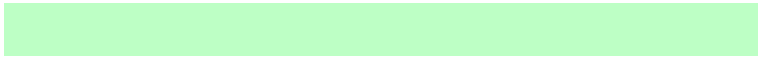
86.3700, 0.3049, 0.3941



86.3700, 0.2745, 0.2604

Square

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



86.3700, 0.3049, 0.3941



86.3700, 0.2332, 0.2814



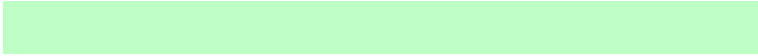
86.3700, 0.3159, 0.2742



86.3700, 0.3990, 0.3683

Rectangle

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



86.3700, 0.3049, 0.3941



86.3700, 0.2470, 0.3303



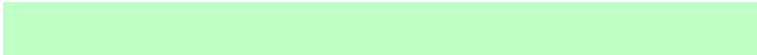
86.3700, 0.3159, 0.2742



86.3700, 0.3822, 0.3221

Sweetspot

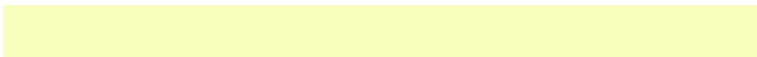
The Sweet Spot groups the original color and five complimentary colors.



86.3683, 0.3049, 0.3941



95.2329, 0.3103, 0.3469



95.0222, 0.3468, 0.3951



20.2040, 0.3099, 0.3505



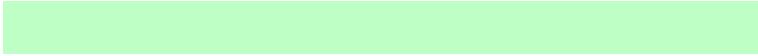
0.0000, 0.0000, 0.0000



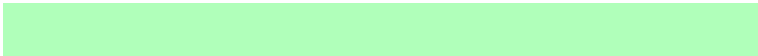
21.4041, 0.3127, 0.3290

Same Dimension

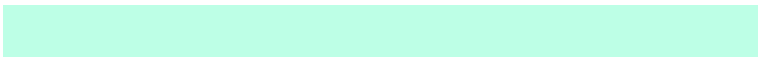
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3683, 0.3049, 0.3941



84.2696, 0.3034, 0.4093



88.0336, 0.2875, 0.3565



20.2040, 0.3099, 0.3505



37.4334, 0.2975, 0.5911



3.6556, 0.2933, 0.5760

Inverse Universe

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



64.3659, 0.3216, 0.2716



58.9091, 0.3237, 0.2602



62.5207, 0.3472, 0.3031



18.2602, 0.3157, 0.3084



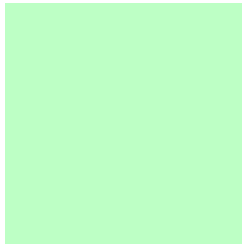
13.9384, 0.3542, 0.1725



1.3674, 0.3498, 0.1701

Previews

White Background



This preview shows how the Yxy color 86.3700, 0.3049, 0.3941 looks on a white background.

Color Contrast Check

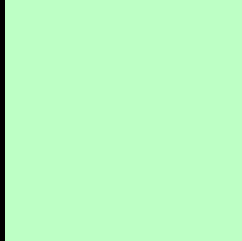
Large Text (above 18pt) WCAG AA × Fail

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 86.3700, 0.3049, 0.3941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

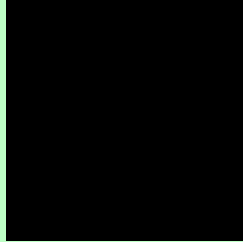
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.3700, 0.3049, 0.3941

Background



This preview shows how black text looks on a background with the Yxy color 86.3700, 0.3049, 0.3941.

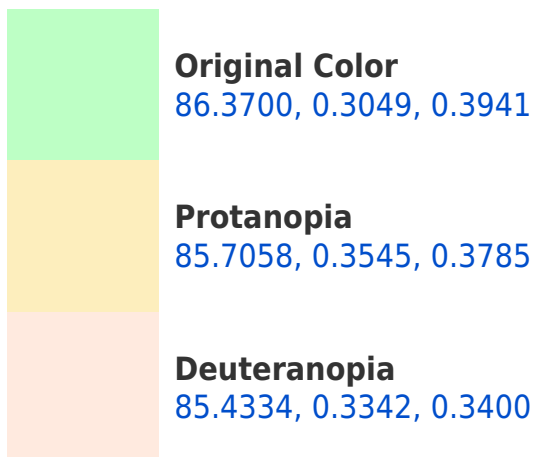


This preview shows how white text looks on a background with the Yxy color 86.3700, 0.3049, 0.3941.

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

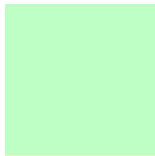




Tritanopia

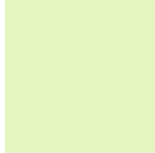
86.0729, 0.2895, 0.3166

Trichromacy



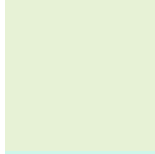
Original Color

86.3700, 0.3049, 0.3941



Protanomaly

85.3301, 0.3352, 0.3840



Deuteranomaly

85.3482, 0.3226, 0.3583



Tritanomaly

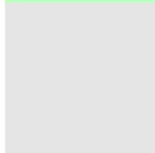
85.7274, 0.2953, 0.3428

Monochromacy



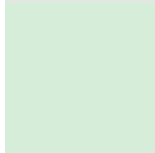
Original Color

86.3700, 0.3049, 0.3941



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.4550, 0.3097, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3700, 0.3049, 0.3941 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(189, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 197)  
}
```

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(189, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 197) }
```

Border

The CSS property to change the border of an element to Yxy 86.3700, 0.3049, 0.3941 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(189, 255, 197) }
```

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

```
.border{ border-color:rgb(189, 255, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3700, 0.3049, 0.3941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 197) }
```

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

```
.background{ background-color: rgb(189,  
255, 197) }
```

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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