

Converting Colors

$Y_{xy}(182.9224, 0.3223, 0.5133)$

Have a look what the booklet for
Yxy(182.9224, 0.3223, 0.5133)
contains.

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Color

Yxy(86.8762, 0.3405, 0.4428)

Conversions

Conversions Part 1

Format	Color
Hex	CEFF97
RGB	206, 255, 151
RGB Percent	81%, 100%, 59%
CMY	0.1920, 0.0000, 0.4079
CMYK	0.19, 0.00, 0.41, 0.00
HSL	88°, 100%, 80%
HSV	88°, 41%, 100%
XYZ	66.8052, 86.8762, 42.5160
YIQ	228.4930, 4.1800, -42.7320

Conversions

Conversions Part 2

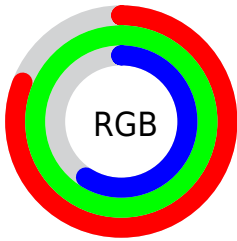
Format	Color
RYB	151, 255, 200
Decimal	13565847
CIELab	94.69, -32.54, 44.66
CIELCh	95, 55.252, 126.078
Yxy	86.8762, 0.3405, 0.4428
Android (android.graphics.Color)	4291755927 (0xFFCEFF97)
YUV	228.4930, -38.2040, -19.7264
Hunter-Lab	93.2074, -35.1754, 38.2004

Details

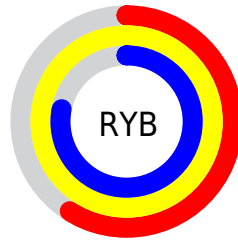
The Yxy color **86.8762, 0.3405, 0.4428** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.6181, 0.2722, 0.2141**, and the grayscale version is **78.2515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2362, 0.3418, 0.3770**, and **47.7540, 0.3441, 0.4697** is the 20% darker color. If you saturate the color by 10%, you get **84.4860, 0.3453, 0.4724**, and if you desaturate by 10%, it is **89.5844, 0.3345, 0.4129**.

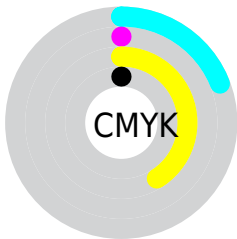
Distribution



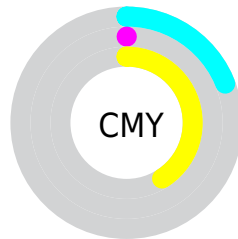
- Red (81%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (78%)



- Cyan (19%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8762, 0.3405, 0.4428 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 86.8762, 0.3405, 0.4428 by changing the saturation by 10% instead.

 86.8762, 0.3405,
0.4428

 86.8762, 0.3405,
0.4428


517.8160, 0.3301,
0.3896

 65.3928, 0.3422,
0.4549

 142.9916, 0.3374,
0.4244

 47.7796, 0.3439,
0.4696


 178.3923, 0.3361,
0.4172

 33.6524, 0.3455,
0.4881


219.2009, 0.3348,
0.4110

 22.6267, 0.3466,
0.5117

265.8018, 0.3337,
0.4056

 14.3181, 0.3462,
0.5426

318.5793, 0.3327,
0.4009

 8.3422, 0.3420,
0.5837

377.9180, 0.3317,

 4.3147, 0.3393,

0.3967

0.6607

444.2020, 0.3309,
0.3930

■ 1.8511, 0.2886,
0.7114

■ 0.5187, 0.0000,
1.0000

■ 86.8762, 0.3405,
0.4428

■ 86.8762, 0.3405,
0.4428

■ 84.4860, 0.3453,
0.4724

■ 89.5844, 0.3345,
0.4129

■ 82.3877, 0.3483,
0.5003

■ 92.6126, 0.3277,
0.3839

■ 80.5692, 0.3493,
0.5250

■ 95.9772, 0.3206,
0.3564

■ 79.0124, 0.3479,
0.5452

■ 99.6899, 0.3133,
0.3309

■ 77.6960, 0.3442,
0.5598

99.9994, 0.3127,
0.3290

■ 76.6676, 0.3394,
0.5687

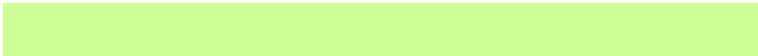
Harmonies

Analogous

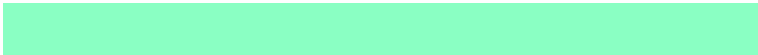
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8762, 0.3967, 0.4331



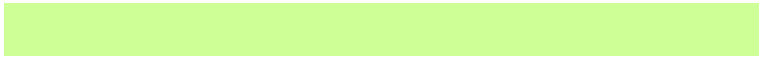
86.8762, 0.3405, 0.4428



86.8762, 0.2798, 0.4119

Triad

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



86.8762, 0.3405, 0.4428



86.8762, 0.2044, 0.2484



86.8762, 0.3982, 0.3021

Complementary

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



86.8762, 0.3405, 0.4428



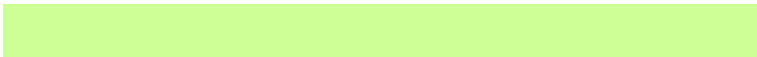
41.6181, 0.2722, 0.2141

Split Complementary

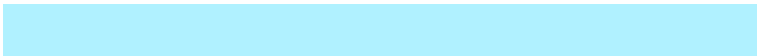
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8762, 0.3379, 0.2628



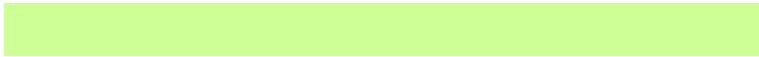
86.8762, 0.3405, 0.4428



86.8762, 0.2286, 0.2319

Square

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



86.8762, 0.3405, 0.4428



86.8762, 0.2049, 0.2895



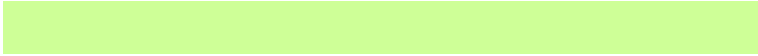
86.8762, 0.2755, 0.2378



86.8762, 0.4340, 0.3491

Rectangle

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



86.8762, 0.3405, 0.4428



86.8762, 0.2451, 0.3727



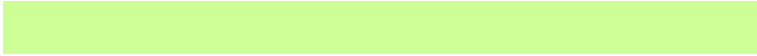
86.8762, 0.2755, 0.2378



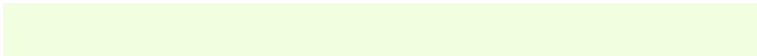
86.8762, 0.3798, 0.2878

Sweetspot

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



86.8800, 0.3405, 0.4428



95.5533, 0.3214, 0.3596



64.5810, 0.3960, 0.3796



20.3553, 0.3224, 0.3631



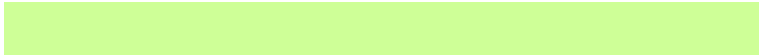
0.0000, 0.0000, 0.0000



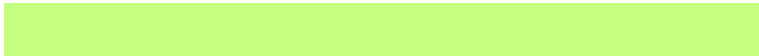
21.4041, 0.3127, 0.3290

Same Dimension

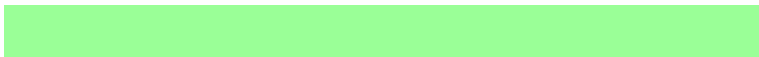
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8800, 0.3405, 0.4428



84.8935, 0.3445, 0.4672



80.6671, 0.3087, 0.4548



20.6413, 0.3196, 0.3530



40.1505, 0.3405, 0.5678



3.9744, 0.3489, 0.5612

Inverse Universe

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



41.6181, 0.2722, 0.2141



34.0003, 0.2615, 0.1892



49.9547, 0.3145, 0.2274



17.7969, 0.3053, 0.3050



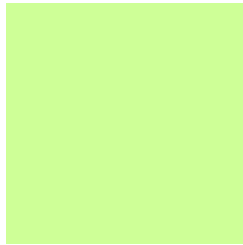
5.9475, 0.1965, 0.0856



0.6435, 0.2090, 0.0925

Previews

White Background



This preview shows how the Yxy color 86.8762, 0.3405, 0.4428 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 86.8762, 0.3405, 0.4428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

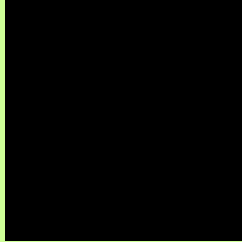
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.8762, 0.3405, 0.4428

Background



This preview shows how black text looks on a background with the Yxy color 86.8762, 0.3405, 0.4428.

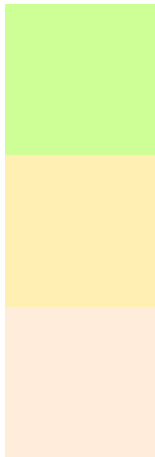


This preview shows how white text looks on a background with the Yxy color 86.8762, 0.3405, 0.4428.

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

86.8762, 0.3405, 0.4428

Protanopia

86.2477, 0.3622, 0.3893

Deuteranopia

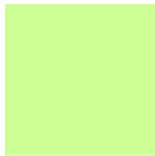
86.3129, 0.3372, 0.3470



Tritanopia

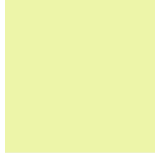
86.4615, 0.2956, 0.3148

Trichromacy



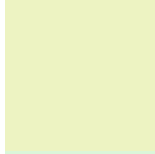
Original Color

86.8762, 0.3405, 0.4428



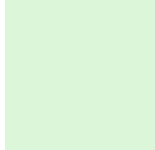
Protanomaly

86.1739, 0.3540, 0.4081



Deuteranomaly

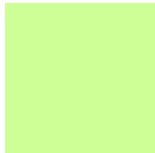
86.0008, 0.3390, 0.3800



Tritanomaly

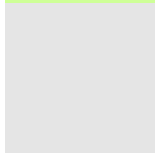
85.9814, 0.3126, 0.3598

Monochromacy



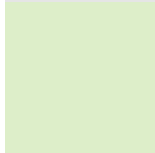
Original Color

86.8762, 0.3405, 0.4428



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.7383, 0.3242, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8762, 0.3405, 0.4428 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(206, 255, 151)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 151)  
}
```

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(206, 255, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 151) }
```

Border

The CSS property to change the border of an element to Yxy 86.8762, 0.3405, 0.4428 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(206, 255, 151) }
```

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

```
.border{ border-color:rgb(206, 255, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 151);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8762, 0.3405, 0.4428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 151) }
```

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

```
.background{ background-color: rgb(206,  
255, 151) }
```

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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