

Converting Colors

Yxy(86.9871, 0.3288, 0.4246)

Have a look what the booklet for
Yxy(86.9871, 0.3288, 0.4246)
contains.

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Color

Yxy(86.9037, 0.3287, 0.4252)

Conversions

Conversions Part 1

Format	Color
Hex	CAFFA8
RGB	202, 255, 168
RGB Percent	79%, 100%, 66%
CMY	0.2080, 0.0000, 0.3410
CMYK	0.21, 0.00, 0.34, 0.00
HSL	97°, 100%, 83%
HSV	97°, 34%, 100%
XYZ	67.1807, 86.9037, 50.2987
YIQ	229.2350, -3.6610, -38.2930

Conversions

Conversions Part 2

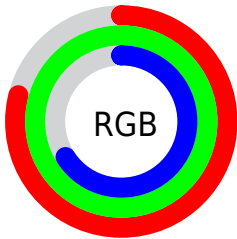
Format	Color
RYB	168, 255, 221
Decimal	13303720
CIELab	94.70, -31.76, 36.25
CIELCh	95, 48.193, 131.218
Yxy	86.9037, 0.3287, 0.4252
Android (android.graphics.Color)	4291493800 (0xFFCAFFA8)
YUV	229.2350, -30.1889, -23.8851
Hunter-Lab	93.2222, -34.5024, 33.2652

Details

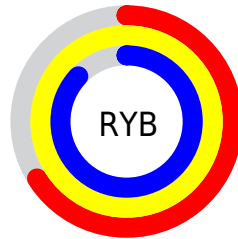
The Yxy color **86.9037, 0.3287, 0.4252** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.6255, 0.2897, 0.2370**, and the grayscale version is **78.7599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **47.7370, 0.3301, 0.4484** is the 20% darker color. If you saturate the color by 10%, you get **83.9801, 0.3320, 0.4569**, and if you desaturate by 10%, it is **90.2256, 0.3245, 0.3945**.

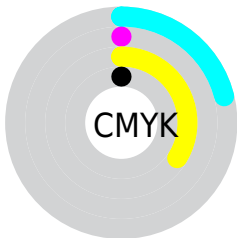
Distribution



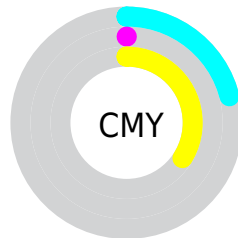
- Red (79%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (87%)



- Cyan (21%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9037, 0.3287, 0.4252 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 86.9037, 0.3287, 0.4252 by changing the saturation by 10% instead.


 86.9037, 0.3287,
0.4252

 86.9037, 0.3287,
0.4252

517.9064, 0.3229,
0.3801

 65.4155, 0.3296,
0.4355

 143.0299, 0.3270,
0.4095

 47.7981, 0.3305,
0.4483


178.4367, 0.3263,
0.4034

 33.6670, 0.3312,
0.4644


219.2519, 0.3256,
0.3982

 22.6379, 0.3315,
0.4852

265.8597, 0.3250,
0.3936

 14.3264, 0.3308,
0.5132

318.6447, 0.3244,
0.3896

 8.3480, 0.3275,
0.5520


377.9912, 0.3239,


 4.3184, 0.3214,


0.3861


0.6155


444.2837, 0.3234,
0.3829


 1.8532, 0.2939,
0.7061

 0.5200, 0.0000,
1.0000


 86.9037, 0.3287,
0.4252


 86.9037, 0.3287,
0.4252


 83.9801, 0.3320,
0.4569


 90.2256, 0.3245,
0.3945

 81.4475, 0.3341,
0.4883

 93.9721, 0.3198,
0.3656

 79.2837, 0.3346,
0.5177

 98.1550, 0.3148,
0.3391

 77.4680, 0.3332,
0.5433

100.0000, 0.3127,
0.3290

■ 75.9771, 0.3300,
0.5634

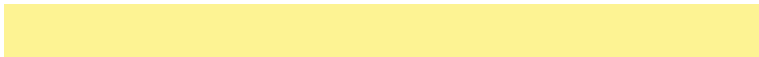
■ 74.7836, 0.3250,
0.5772

■ 74.1995, 0.3217,
0.5828

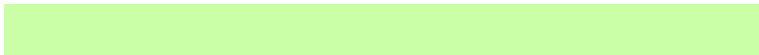
Harmonies

Analogous

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



86.9037, 0.3796, 0.4239



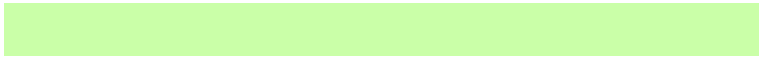
86.9037, 0.3287, 0.4252



86.9037, 0.2760, 0.3926

Triad

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



86.9037, 0.3287, 0.4252



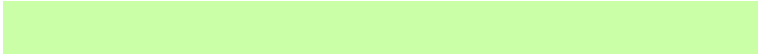
86.9037, 0.2189, 0.2543



86.9037, 0.3946, 0.3127

Complementary

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



86.9037, 0.3287, 0.4252



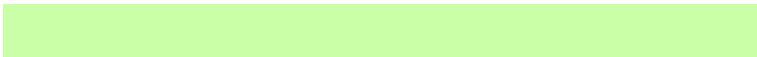
50.6255, 0.2897, 0.2370

Split Complementary

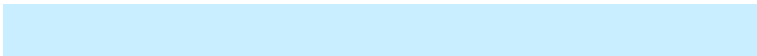
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9037, 0.3447, 0.2757



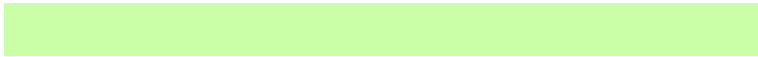
86.9037, 0.3287, 0.4252



86.9037, 0.2444, 0.2426

Square

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



86.9037, 0.3287, 0.4252



86.9037, 0.2156, 0.2876



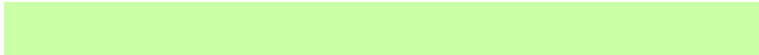
86.9037, 0.2892, 0.2508



86.9037, 0.4206, 0.3553

Rectangle

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



86.9037, 0.3287, 0.4252



86.9037, 0.2469, 0.3575



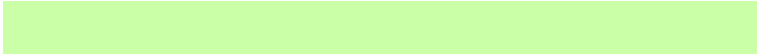
86.9037, 0.2892, 0.2508



86.9037, 0.3798, 0.2994

Sweetspot

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



86.9003, 0.3287, 0.4252



95.6338, 0.3177, 0.3545



75.3892, 0.3753, 0.3825



20.3459, 0.3184, 0.3583



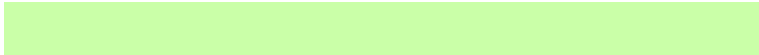
0.0000, 0.0000, 0.0000



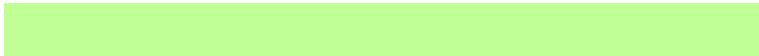
21.4041, 0.3127, 0.3290

Same Dimension

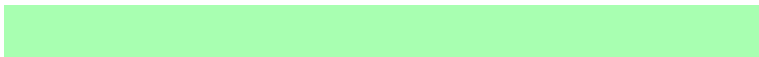
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9003, 0.3287, 0.4252



84.8433, 0.3311, 0.4470



83.0134, 0.3034, 0.4210



20.5136, 0.3175, 0.3532



38.8508, 0.3228, 0.5819



3.8437, 0.3316, 0.5749

Inverse Universe

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



50.6255, 0.2897, 0.2370



43.5052, 0.2836, 0.2172



55.9536, 0.3235, 0.2517



17.9260, 0.3075, 0.3051



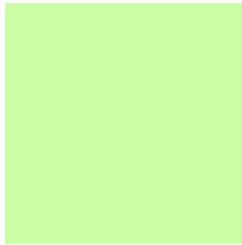
7.5299, 0.2252, 0.1014



0.7963, 0.2359, 0.1073

Previews

White Background



This preview shows how the Yxy color 86.9037, 0.3287, 0.4252 looks on a white background.

Color Contrast Check

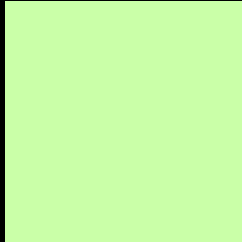
Large Text (above 18pt) WCAG AA × Fail

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 86.9037, 0.3287, 0.4252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

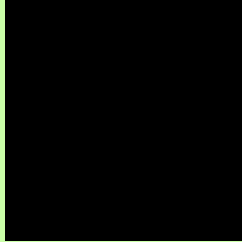
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

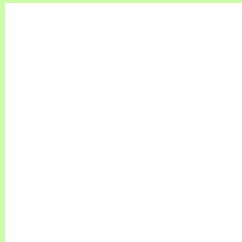
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9037, 0.3287, 0.4252

Background



This preview shows how black text looks on a background with the Yxy color 86.9037, 0.3287, 0.4252.

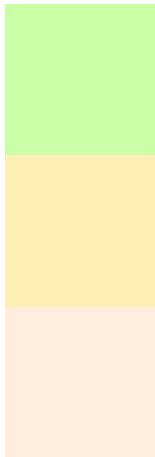


This preview shows how white text looks on a background with the Yxy color 86.9037, 0.3287, 0.4252.

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

86.9037, 0.3287, 0.4252

Protanopia

86.3292, 0.3609, 0.3873

Deuteranopia

86.4182, 0.3359, 0.3449



Tritanopia

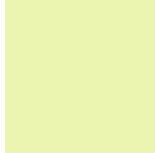
86.5716, 0.2938, 0.3157

Trichromacy



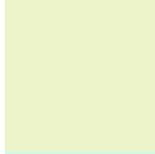
Original Color

86.9037, 0.3287, 0.4252



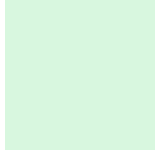
Protanomaly

86.2723, 0.3490, 0.4010



Deuteranomaly

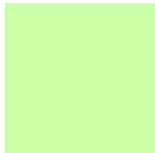
86.1511, 0.3339, 0.3727



Tritanomaly

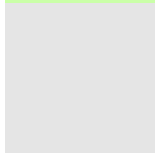
86.4482, 0.3071, 0.3544

Monochromacy



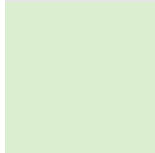
Original Color

86.9037, 0.3287, 0.4252



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.7141, 0.3191, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9037, 0.3287, 0.4252 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(202, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 168)  
}
```

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(202, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 168) }
```

Border

The CSS property to change the border of an element to Yxy 86.9037, 0.3287, 0.4252 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(202, 255, 168) }
```

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

```
.border{ border-color:rgb(202, 255, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9037, 0.3287, 0.4252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 168) }
```

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

```
.background{ background-color: rgb(202,  
255, 168) }
```

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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