

Converting Colors

$Yxy(85.1986, 0.2997, 0.4056)$

Have a look what the booklet for
Yxy(85.1986, 0.2997, 0.4056)
contains.

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Color

Yxy(84.2364, 0.2999, 0.4042)

Conversions

Conversions Part 1

Format	Color
Hex	AEFFBE
RGB	174, 255, 190
RGB Percent	68%, 100%, 75%
CMY	0.3178, 0.0000, 0.2550
CMYK	0.32, 0.00, 0.25, 0.00
HSL	132°, 100%, 84%
HSV	132°, 32%, 100%
XYZ	62.5000, 84.2364, 61.6664
YIQ	223.3710, -27.4110, -37.3870

Conversions

Conversions Part 2

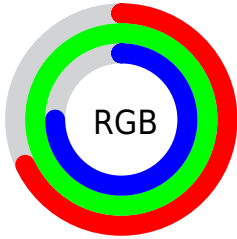
Format	Color
RYB	174, 242, 255
Decimal	11468734
CIELab	93.55, -37.42, 23.41
CIElCh	94, 44.138, 147.966
Yxy	84.2364, 0.2999, 0.4042
Android (android.graphics.Color)	4289658814 (0xFFFAEFFBE)
YUV	223.3710, -16.4519, -43.2984
Hunter-Lab	91.7804, -39.0620, 24.4099

Details

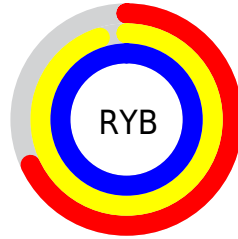
The Yxy color **84.2364, 0.2999, 0.4042** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.7453, 0.3290, 0.2641**, and the grayscale version is **74.1907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2243, 0.3026, 0.3370**, and **46.0877, 0.2963, 0.4235** is the 20% darker color. If you saturate the color by 10%, you get **80.7425, 0.2964, 0.4330**, and if you desaturate by 10%, it is **88.3994, 0.3038, 0.3776**.

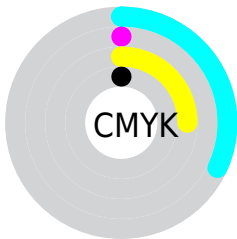
Distribution



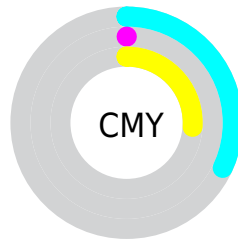
- Red (68%)
- Green (100%)
- Blue (75%)



- Red (68%)
- Yellow (95%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (32%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2364, 0.2999, 0.4042 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 84.2364, 0.2999, 0.4042 by changing the saturation by 10% instead.


 84.2364, 0.2999,
0.4042

 84.2364, 0.2999,
0.4042


509.0979, 0.3066,
0.3686

 63.2106, 0.2982,
0.4125


 139.3058, 0.3024,
0.3917

 46.0116, 0.2960,
0.4229


174.1183, 0.3033,
0.3869

 32.2550, 0.2931,
0.4361


214.2950, 0.3040,
0.3827

 21.5563, 0.2890,
0.4536

260.2206, 0.3047,
0.3792

 13.5313, 0.2830,
0.4777

312.2792, 0.3053,
0.3760

 7.7954, 0.2735,
0.5128


370.8554, 0.3058,


 3.9643, 0.2568,


0.3732


0.5681

436.3335, 0.3062,
0.3708


 1.6536, 0.2367,
0.7633


 0.3933, 0.0000,
1.0000


 84.2364, 0.2999,
0.4042


 84.2364, 0.2999,
0.4042


 80.7425, 0.2964,
0.4330

 88.3994, 0.3038,
0.3776

 77.8995, 0.2935,
0.4633

 93.2839, 0.3079,
0.3537

 75.6609, 0.2916,
0.4938

 98.9155, 0.3120,
0.3325

 73.9818, 0.2908,
0.5230

100.0000, 0.3127,
0.3290

■ 72.8108, 0.2914,
0.5489

■ 72.0869, 0.2932,
0.5699

■ 71.7539, 0.2953,
0.5829

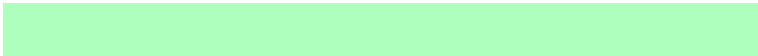
Harmonies

Analogous

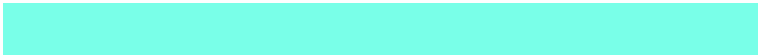
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2364, 0.3498, 0.4210



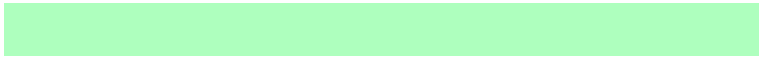
84.2364, 0.2999, 0.4042



84.2364, 0.2557, 0.3610

Triad

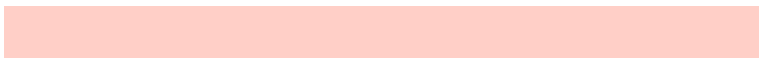
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2364, 0.2999, 0.4042



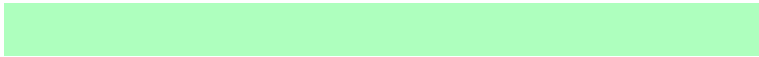
84.2364, 0.2362, 0.2510



84.2364, 0.4054, 0.3362

Complementary

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



84.2364, 0.2999, 0.4042



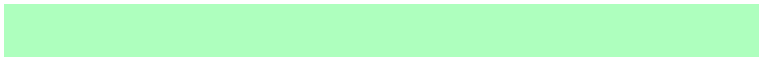
57.7453, 0.3290, 0.2641

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.



84.2364, 0.3699, 0.2977



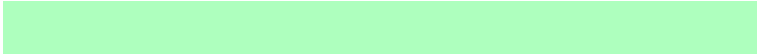
84.2364, 0.2999, 0.4042



84.2364, 0.2707, 0.2505

Square

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



84.2364, 0.2999, 0.4042



84.2364, 0.2212, 0.2711



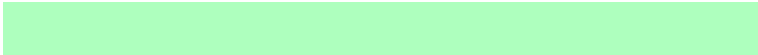
84.2364, 0.3194, 0.2673



84.2364, 0.4131, 0.3759

Rectangle

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



84.2364, 0.2999, 0.4042



84.2364, 0.2349, 0.3267



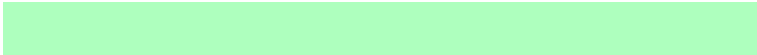
84.2364, 0.3194, 0.2673



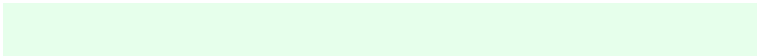
84.2364, 0.3962, 0.3229

Sweetspot

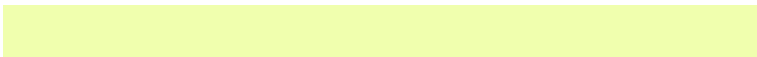
The Sweet Spot groups the original color and five complimentary colors.



84.2302, 0.2999, 0.4042



94.2321, 0.3086, 0.3497



93.1243, 0.3507, 0.4115



20.0091, 0.3081, 0.3528



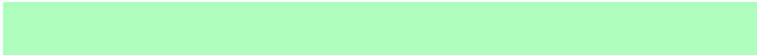
0.0000, 0.0000, 0.0000



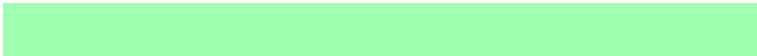
21.4041, 0.3127, 0.3290

Same Dimension

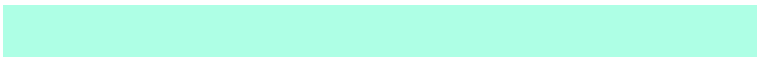
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2302, 0.2999, 0.4042



81.9839, 0.2976, 0.4219



86.1894, 0.2796, 0.3576



20.2269, 0.3088, 0.3486



37.5095, 0.2946, 0.5807



3.6667, 0.2893, 0.5614

Inverse Universe

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



57.7453, 0.3290, 0.2641



51.7948, 0.3330, 0.2514



55.6670, 0.3627, 0.3025



18.2352, 0.3168, 0.3101



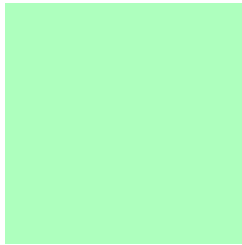
13.4233, 0.3784, 0.1858



1.3219, 0.3706, 0.1815

Previews

White Background



This preview shows how the Yxy color 84.2364, 0.2999, 0.4042 looks on a white background.

Color Contrast Check

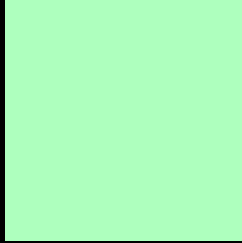
Large Text (above 18pt) WCAG AA × Fail

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 84.2364, 0.2999, 0.4042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

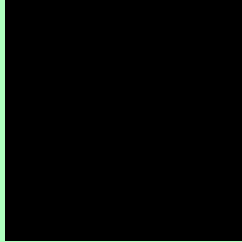
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.2364, 0.2999, 0.4042

Background



This preview shows how black text looks on a background with the Yxy color 84.2364, 0.2999, 0.4042.

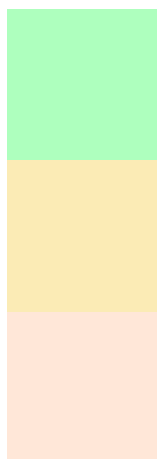


This preview shows how white text looks on a background with the Yxy color 84.2364, 0.2999, 0.4042.

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

84.2364, 0.2999, 0.4042

Protanopia

83.2621, 0.3590, 0.3841

Deuteranopia

83.3697, 0.3393, 0.3441



Tritanopia

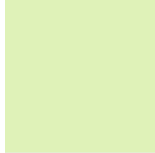
83.8461, 0.2830, 0.3153

Trichromacy



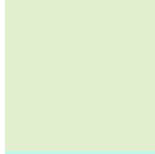
Original Color

84.2364, 0.2999, 0.4042



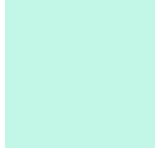
Protanomaly

82.6529, 0.3356, 0.3916



Deuteranomaly

82.9939, 0.3237, 0.3641



Tritanomaly

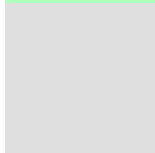
83.7604, 0.2892, 0.3464

Monochromacy



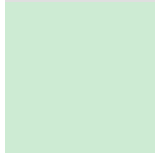
Original Color

84.2364, 0.2999, 0.4042



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.0989, 0.3075, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2364, 0.2999, 0.4042 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(174, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 190)  
}
```

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(174, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 190) }
```

Border

The CSS property to change the border of an element to Yxy 84.2364, 0.2999, 0.4042 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(174, 255, 190) }
```

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

```
.border{ border-color:rgb(174, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2364, 0.2999, 0.4042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 190) }
```

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

```
.background{ background-color: rgb(174,  
255, 190) }
```

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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