

Converting Colors

Yxy(84.0722, 0.2999, 0.4056)

Have a look what the booklet for
Yxy(84.0722, 0.2999, 0.4056)
contains.

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Color

Yxy(84.0784, 0.2999, 0.4055)

Conversions

Conversions Part 1

Format	Color
Hex	ADFFBD
RGB	173, 255, 189
RGB Percent	68%, 100%, 74%
CMY	0.3214, 0.0000, 0.2589
CMYK	0.32, 0.00, 0.26, 0.00
HSL	132°, 100%, 84%
HSV	132°, 32%, 100%
XYZ	62.1828, 84.0784, 61.0838
YIQ	222.9580, -27.6860, -37.9100

Conversions

Conversions Part 2

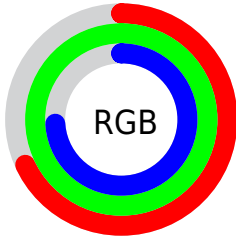
Format	Color
RYB	173, 242, 255
Decimal	11403197
CIELab	93.48, -37.86, 23.82
CIELCh	93, 44.727, 147.826
Yxy	84.0784, 0.2999, 0.4055
Android (android.graphics.Color)	4289593277 (0xFFADFFBD)
YUV	222.9580, -16.7413, -43.8132
Hunter-Lab	91.6943, -39.4146, 24.6889

Details

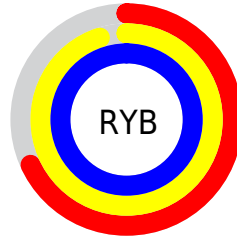
The Yxy color **84.0784, 0.2999, 0.4055** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.3961, 0.3290, 0.2631**, and the grayscale version is **73.9022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9356, 0.3031, 0.3390**, and **45.9890, 0.2963, 0.4253** is the 20% darker color. If you saturate the color by 10%, you get **80.6164, 0.2964, 0.4345**, and if you desaturate by 10%, it is **88.2280, 0.3038, 0.3787**.

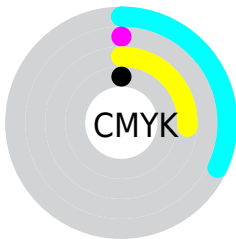
Distribution



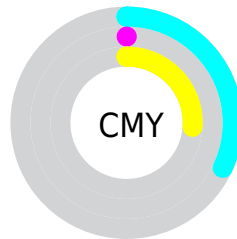
- Red (68%)
- Green (100%)
- Blue (74%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0784, 0.2999, 0.4055 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 84.0784, 0.2999, 0.4055 by changing the saturation by 10% instead.


 84.0784, 0.2999,
0.4055

 84.0784, 0.2999,
0.4055


508.5736, 0.3066,
0.3692

 63.0802, 0.2982,
0.4140

 139.0848, 0.3024,
0.3928

 45.9061, 0.2960,
0.4245


173.8618, 0.3033,
0.3879

 32.1717, 0.2930,
0.4380


214.0005, 0.3041,
0.3836

 21.4927, 0.2889,
0.4559

259.8854, 0.3047,
0.3800

 13.4846, 0.2828,
0.4805

311.9007, 0.3053,
0.3768

 7.7631, 0.2731,
0.5163


370.4309, 0.3058,


 3.9437, 0.2559,


0.3740


0.5727

435.8604, 0.3062,
0.3715


 1.6421, 0.2315,
0.7685


 0.3858, 0.0000,
1.0000


 84.0784, 0.2999,
0.4055

 84.0784, 0.2999,
0.4055


 80.6164, 0.2964,
0.4345


 88.2280, 0.3038,
0.3787

 77.7953, 0.2936,
0.4649

 93.0896, 0.3078,
0.3546

 75.5778, 0.2917,
0.4955

 98.6981, 0.3119,
0.3332

 73.9188, 0.2910,
0.5246

100.0000, 0.3127,
0.3290

■ 72.7666, 0.2917,
0.5504

■ 72.0595, 0.2935,
0.5712

■ 71.7469, 0.2954,
0.5834

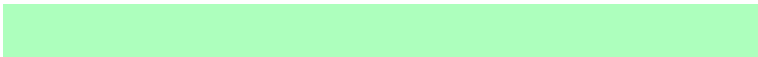
Harmonies

Analogous

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



84.0784, 0.3505, 0.4224



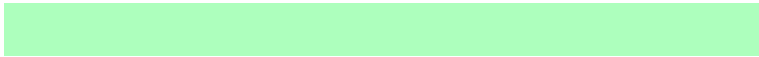
84.0784, 0.2999, 0.4055



84.0784, 0.2550, 0.3617

Triad

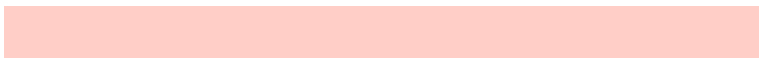
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0784, 0.2999, 0.4055



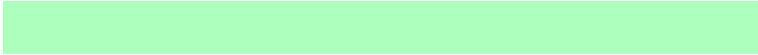
84.0784, 0.2351, 0.2500



84.0784, 0.4066, 0.3360

Complementary

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



84.0784, 0.2999, 0.4055



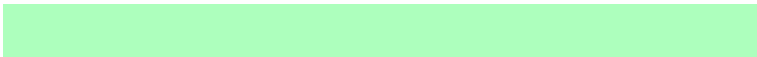
57.3961, 0.3290, 0.2631

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.



84.0784, 0.3705, 0.2971



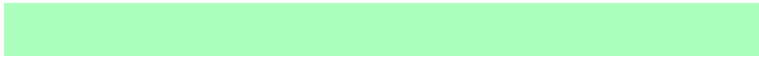
84.0784, 0.2999, 0.4055



84.0784, 0.2700, 0.2494

Square

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



84.0784, 0.2999, 0.4055



84.0784, 0.2200, 0.2704



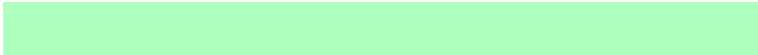
84.0784, 0.3192, 0.2664



84.0784, 0.4145, 0.3762

Rectangle

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



84.0784, 0.2999, 0.4055



84.0784, 0.2340, 0.3269



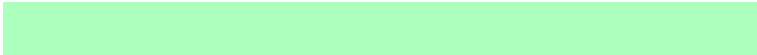
84.0784, 0.3192, 0.2664



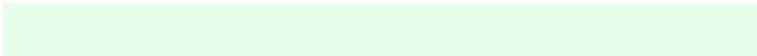
84.0784, 0.3973, 0.3225

Sweetspot

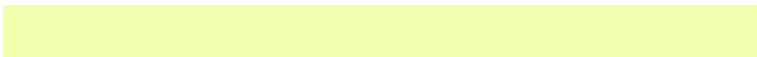
The Sweet Spot groups the original color and five complimentary colors.



84.0817, 0.2999, 0.4055



94.2274, 0.3087, 0.3498



93.0591, 0.3512, 0.4124



20.0080, 0.3081, 0.3529



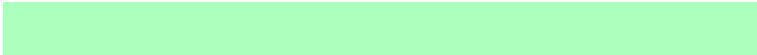
0.0000, 0.0000, 0.0000



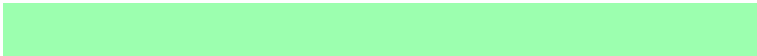
21.4041, 0.3127, 0.3290

Same Dimension

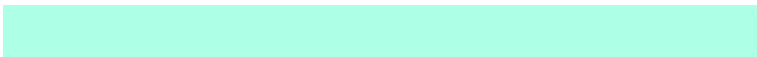
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0817, 0.2999, 0.4055



81.6342, 0.2975, 0.4252



86.0680, 0.2793, 0.3579



20.2259, 0.3089, 0.3487



37.5056, 0.2948, 0.5812



3.6662, 0.2894, 0.5620

Inverse Universe

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



57.3961, 0.3290, 0.2631



50.9221, 0.3334, 0.2491



55.2840, 0.3634, 0.3021



18.2362, 0.3168, 0.3101



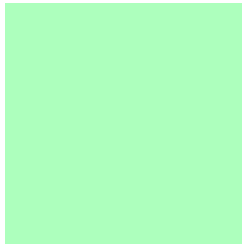
13.4433, 0.3774, 0.1852



1.3237, 0.3697, 0.1810

Previews

White Background



This preview shows how the Yxy color 84.0784, 0.2999, 0.4055 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 84.0784, 0.2999, 0.4055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

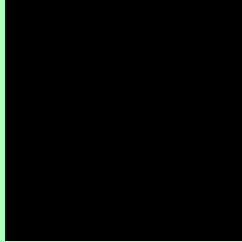
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.0784, 0.2999, 0.4055

Background



This preview shows how black text looks on a background with the Yxy color 84.0784, 0.2999, 0.4055.

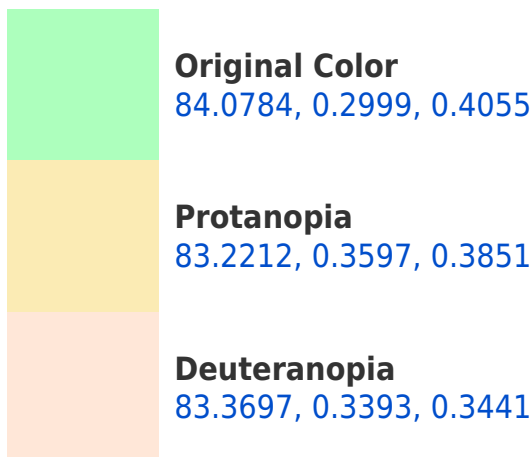


This preview shows how white text looks on a background with the Yxy color 84.0784, 0.2999, 0.4055.

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

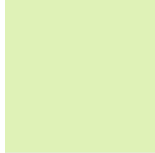
83.8461, 0.2830, 0.3153

Trichromacy



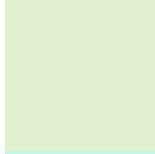
Original Color

84.0784, 0.2999, 0.4055



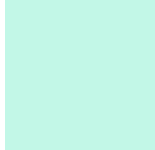
Protanomaly

82.6111, 0.3362, 0.3927



Deuteranomaly

82.7840, 0.3236, 0.3653



Tritanomaly

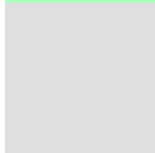
83.7604, 0.2892, 0.3464

Monochromacy



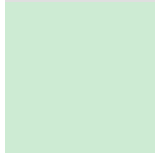
Original Color

84.0784, 0.2999, 0.4055



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 84.0784, 0.2999, 0.4055 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(173, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 189)  
}
```

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(173, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 189) }
```

Border

The CSS property to change the border of an element to Yxy 84.0784, 0.2999, 0.4055 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(173, 255, 189) }
```

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

```
.border{ border-color:rgb(173, 255, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0784, 0.2999, 0.4055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 255, 189) }
```

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

```
.background{ background-color: rgb(173,  
255, 189) }
```

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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