

Converting Colors

Yxy(83.8965, 0.3051, 0.4154)

Have a look what the booklet for
Yxy(83.8965, 0.3051, 0.4154)
contains.

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Color

Yxy(83.8549, 0.3046, 0.4150)

Conversions

Conversions Part 1

Format	Color
Hex	AEFFB5
RGB	174, 255, 181
RGB Percent	68%, 100%, 71%
CMY	0.3178, 0.0000, 0.2902
CMYK	0.32, 0.00, 0.29, 0.00
HSL	125°, 100%, 84%
HSV	125°, 32%, 100%
XYZ	61.5475, 83.8549, 56.6576
YIQ	222.3450, -24.5220, -40.1860

Conversions

Conversions Part 2

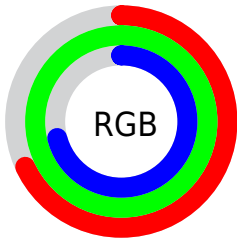
Format	Color
RYB	174, 249, 255
Decimal	11468725
CIELab	93.39, -38.92, 27.73
CIELCh	93, 47.793, 144.529
Yxy	83.8549, 0.3046, 0.4150
Android (android.graphics.Color)	4289658805 (0xFFFAEFFB5)
YUV	222.3450, -20.3831, -42.3986
Hunter-Lab	91.5723, -40.2784, 27.4167

Details

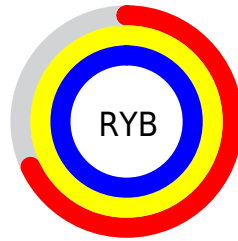
The Yxy color **83.8549, 0.3046, 0.4150** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.2867, 0.3219, 0.2559**, and the grayscale version is **73.4516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6233, 0.3082, 0.3471**, and **45.8686, 0.3014, 0.4361** is the 20% darker color. If you saturate the color by 10%, you get **80.3169, 0.3022, 0.4477**, and if you desaturate by 10%, it is **88.0969, 0.3072, 0.3846**.

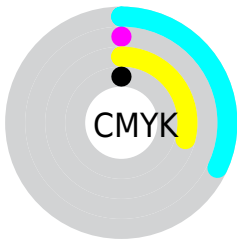
Distribution



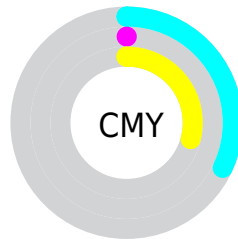
- Red (68%)
- Green (100%)
- Blue (71%)



- Red (68%)
- Yellow (98%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8549, 0.3046, 0.4150 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 83.8549, 0.3046, 0.4150 by changing the saturation by 10% instead.

 83.8549, 0.3046,
0.4150

 83.8549, 0.3046,
0.4150


507.8313, 0.3094,
0.3741

 62.8956, 0.3032,
0.4246


 138.7722, 0.3065,
0.4006

 45.7568, 0.3014,
0.4365


173.4990, 0.3072,
0.3951

 32.0539, 0.2989,
0.4517


213.5838, 0.3077,
0.3903

 21.4027, 0.2952,
0.4719

259.4110, 0.3082,
0.3862

 13.4187, 0.2895,
0.4996

311.3649, 0.3085,
0.3826

 7.7175, 0.2800,
0.5398


369.8300, 0.3089,


 3.9147, 0.2621,


0.3794


0.6024


435.1907, 0.3092,
0.3766

 1.6260, 0.2200,
0.7800


 0.3750, 0.0000,
1.0000

 83.8549, 0.3046,
0.4150


 83.8549, 0.3046,
0.4150


 80.3169, 0.3022,
0.4477


 88.0969, 0.3072,
0.3846

 77.4608, 0.3000,
0.4816

 93.0967, 0.3098,
0.3572

 75.2374, 0.2984,
0.5148

 98.8824, 0.3123,
0.3330

 73.5983, 0.2975,
0.5449

100.0000, 0.3127,
0.3290

■ 72.4883, 0.2974,
0.5695

■ 71.8412, 0.2980,
0.5870

■ 71.5787, 0.2988,
0.5956

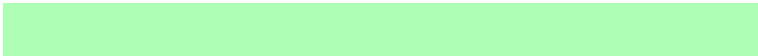
Harmonies

Analogous

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



83.8549, 0.3583, 0.4289



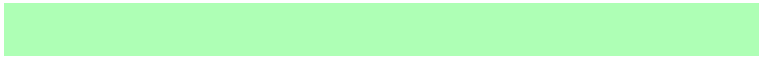
83.8549, 0.3046, 0.4150



83.8549, 0.2556, 0.3700

Triad

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



83.8549, 0.3046, 0.4150



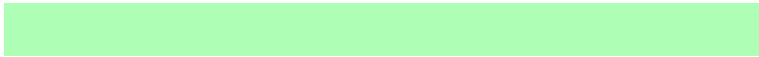
83.8549, 0.2273, 0.2462



83.8549, 0.4103, 0.3313

Complementary

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



83.8549, 0.3046, 0.4150



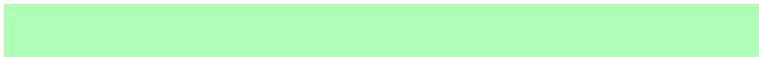
58.2867, 0.3219, 0.2559

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.



83.8549, 0.3689, 0.2909



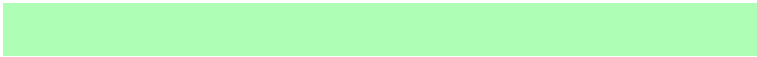
83.8549, 0.3046, 0.4150



83.8549, 0.2621, 0.2436

Square

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



83.8549, 0.3046, 0.4150



83.8549, 0.2139, 0.2700



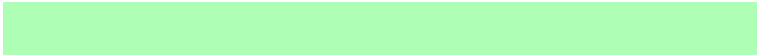
83.8549, 0.3133, 0.2598



83.8549, 0.4222, 0.3742

Rectangle

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



83.8549, 0.3046, 0.4150



83.8549, 0.2319, 0.3325



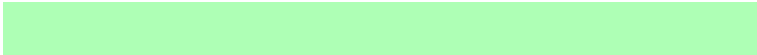
83.8549, 0.3133, 0.2598



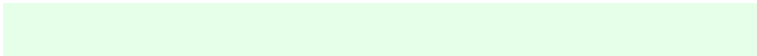
83.8549, 0.3992, 0.3172

Sweetspot

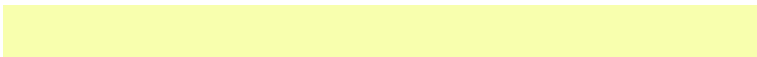
The Sweet Spot groups the original color and five complimentary colors.



83.8492, 0.3046, 0.4150



94.0706, 0.3102, 0.3526



94.5754, 0.3563, 0.4099



19.9704, 0.3099, 0.3562



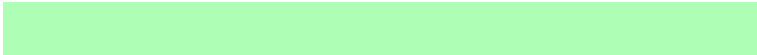
0.0000, 0.0000, 0.0000



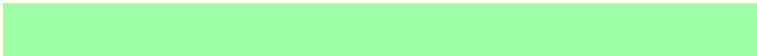
21.4041, 0.3127, 0.3290

Same Dimension

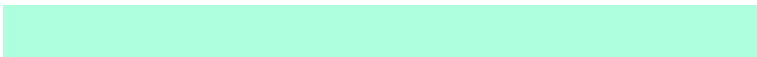
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8492, 0.3046, 0.4150



81.5720, 0.3031, 0.4351



85.7455, 0.2837, 0.3670



20.1938, 0.3104, 0.3514



37.4101, 0.2984, 0.5944



3.6508, 0.2952, 0.5825

Inverse Universe

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



58.2867, 0.3219, 0.2559



52.4366, 0.3240, 0.2420



56.0529, 0.3554, 0.2942



18.2715, 0.3151, 0.3076



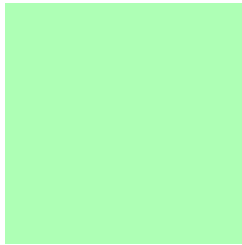
14.1886, 0.3441, 0.1669



1.3892, 0.3412, 0.1653

Previews

White Background



This preview shows how the Yxy color 83.8549, 0.3046, 0.4150 looks on a white background.

Color Contrast Check

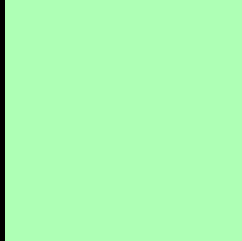
Large Text (above 18pt) WCAG AA × Fail

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 83.8549, 0.3046, 0.4150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

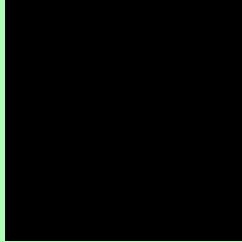
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.8549, 0.3046, 0.4150

Background



This preview shows how black text looks on a background with the Yxy color 83.8549, 0.3046, 0.4150.

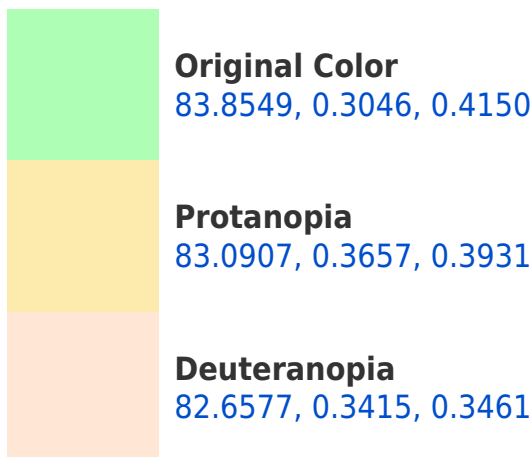


This preview shows how white text looks on a background with the Yxy color 83.8549, 0.3046, 0.4150.

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

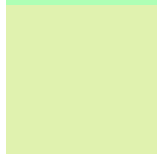
83.2524, 0.2829, 0.3142

Trichromacy



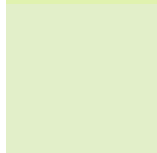
Original Color

83.8549, 0.3046, 0.4150



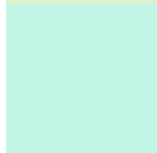
Protanomaly

82.4467, 0.3418, 0.4013



Deuteranomaly

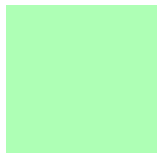
82.1188, 0.3276, 0.3696



Tritanomaly

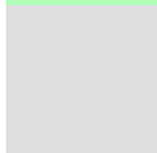
82.9823, 0.2908, 0.3487

Monochromacy



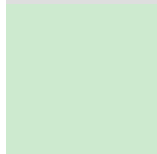
Original Color

83.8549, 0.3046, 0.4150



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.3298, 0.3100, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8549, 0.3046, 0.4150 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 181) }
```

Border

The CSS property to change the border of an element to Yxy 83.8549, 0.3046, 0.4150 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, 181) }
```

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

```
.border{ border-color:rgb(174, 255, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8549, 0.3046, 0.4150 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, 181) }
```

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

```
.background{ background-color: rgb(174,  
255, 181) }
```

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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