

Converting Colors

Yxy(83.6201, 0.3083, 0.4229)

Have a look what the booklet for
Yxy(83.6201, 0.3083, 0.4229)
contains.

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Color

Yxy(83.5747, 0.3083, 0.4234)

Conversions

Conversions Part 1

Format	Color
Hex	AEFFAE
RGB	174, 255, 174
RGB Percent	68%, 100%, 68%
CMY	0.3176, 0.0000, 0.3177
CMYK	0.32, 0.00, 0.32, 0.00
HSL	120°, 100%, 84%
HSV	120°, 32%, 100%
XYZ	60.8552, 83.5747, 52.9596
YIQ	221.5470, -22.2750, -42.3630

Conversions

Conversions Part 2

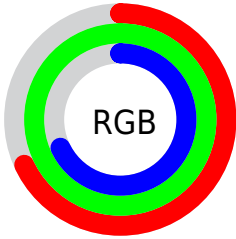
Format	Color
RYB	174, 255, 255
Decimal	11468718
CIELab	93.27, -40.03, 31.10
CIELCh	93, 50.689, 142.151
Yxy	83.5747, 0.3083, 0.4234
Android (android.graphics.Color)	4289658798 (0xFFAEFFAE)
YUV	221.5470, -23.4407, -41.6987
Hunter-Lab	91.4192, -41.1612, 29.6464

Details

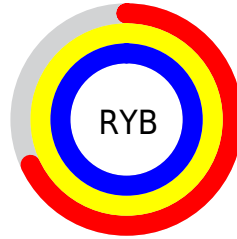
The Yxy color **83.5747, 0.3083, 0.4234** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **58.7421, 0.3164, 0.2498**, and the grayscale version is **72.8905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2221, 0.3121, 0.3544**, and **45.6906, 0.3058, 0.4470** is the 20% darker color. If you saturate the color by 10%, you get **80.0175, 0.3066, 0.4590**, and if you desaturate by 10%, it is **87.8767, 0.3099, 0.3900**.

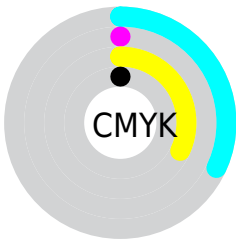
Distribution



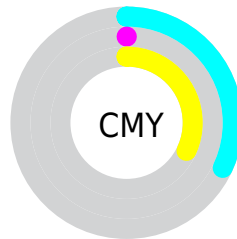
- Red (68%)
- Green (100%)
- Blue (68%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5747, 0.3083, 0.4234 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 83.5747, 0.3083, 0.4234 by changing the saturation by 10% instead.

 83.5747, 0.3083,
0.4234

 83.5747, 0.3083,
0.4234

506.8999, 0.3117,
0.3784

 62.6644, 0.3072,
0.4339


 138.3801, 0.3097,
0.4076

 45.5697, 0.3056,
0.4471


173.0439, 0.3102,
0.4015

 31.9064, 0.3034,
0.4639


213.0611, 0.3106,
0.3962

 21.2900, 0.2999,
0.4860

258.8159, 0.3109,
0.3917

 13.3362, 0.2944,
0.5164

310.6928, 0.3112,
0.3878

 7.6604, 0.2845,
0.5602


369.0761, 0.3114,


 3.8785, 0.2668,

0.3843


0.6307


434.3504, 0.3115,
0.3812

 1.6058, 0.2068,
0.7932


 0.3615, 0.0000,
1.0000


 83.5747, 0.3083,
0.4234


 83.5747, 0.3083,
0.4234

 80.0175, 0.3066,
0.4590

 87.8767, 0.3099,
0.3900

 77.1622, 0.3049,
0.4953

 92.9619, 0.3113,
0.3599

 74.9626, 0.3033,
0.5297

 98.8665, 0.3125,
0.3333

 73.3667, 0.3019,
0.5593

100.0000, 0.3127,
0.3290

■ 72.3146, 0.3009,
0.5815

■ 71.7340, 0.3002,
0.5949

■ 71.5204, 0.3000,
0.6000

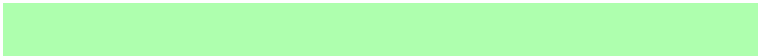
Harmonies

Analogous

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



83.5747, 0.3649, 0.4347



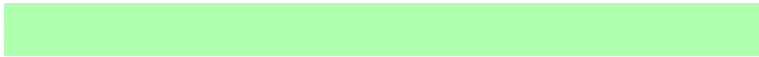
83.5747, 0.3083, 0.4234



83.5747, 0.2557, 0.3772

Triad

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



83.5747, 0.3083, 0.4234



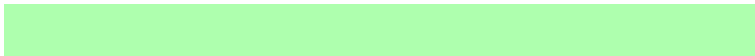
83.5747, 0.2206, 0.2426



83.5747, 0.4139, 0.3274

Complementary

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



83.5747, 0.3083, 0.4234



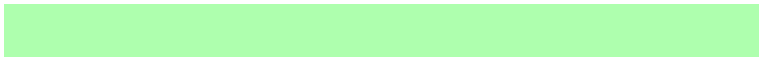
58.7421, 0.3164, 0.2498

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.



83.5747, 0.3679, 0.2856



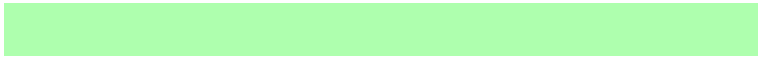
83.5747, 0.3083, 0.4234



83.5747, 0.2554, 0.2385

Square

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



83.5747, 0.3083, 0.4234



83.5747, 0.2084, 0.2692



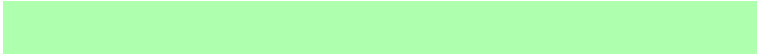
83.5747, 0.3084, 0.2541



83.5747, 0.4291, 0.3727

Rectangle

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



83.5747, 0.3083, 0.4234



83.5747, 0.2296, 0.3372



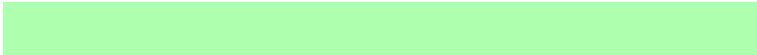
83.5747, 0.3084, 0.2541



83.5747, 0.4013, 0.3128

Sweetspot

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



83.5749, 0.3083, 0.4234



93.9466, 0.3115, 0.3549



94.9769, 0.3612, 0.4074



19.9407, 0.3113, 0.3589



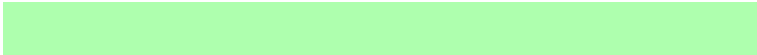
0.0000, 0.0000, 0.0000



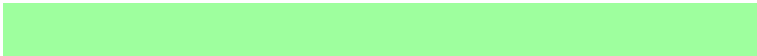
21.4041, 0.3127, 0.3290

Same Dimension

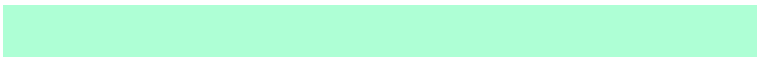
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5749, 0.3083, 0.4234



81.2740, 0.3073, 0.4454



85.3283, 0.2879, 0.3765



20.1684, 0.3116, 0.3536



37.3711, 0.3000, 0.6000



3.6388, 0.3000, 0.6000

Inverse Universe

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



58.7421, 0.3164, 0.2498



52.9629, 0.3171, 0.2348



56.4761, 0.3483, 0.2862



18.3001, 0.3138, 0.3056



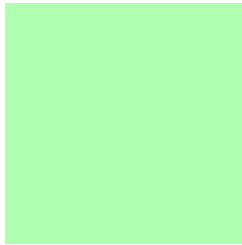
14.8747, 0.3209, 0.1541



1.4484, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 83.5747, 0.3083, 0.4234 looks on a white background.

Color Contrast Check

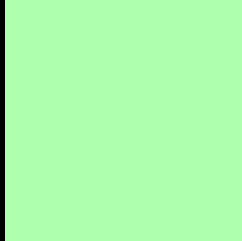
Large Text (above 18pt) WCAG AA × Fail

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 83.5747, 0.3083, 0.4234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

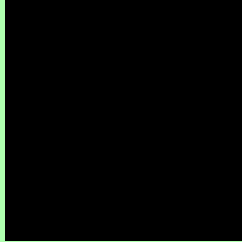
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.5747, 0.3083, 0.4234

Background



This preview shows how black text looks on a background with the Yxy color 83.5747, 0.3083, 0.4234.

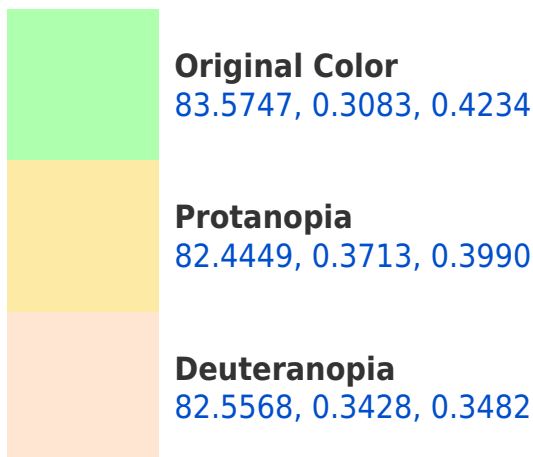


This preview shows how white text looks on a background with the Yxy color 83.5747, 0.3083, 0.4234.

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

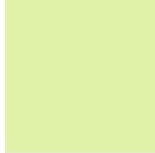
83.1097, 0.2823, 0.3142

Trichromacy



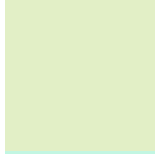
Original Color

83.5747, 0.3083, 0.4234



Protanomaly

82.1787, 0.3461, 0.4089



Deuteranomaly

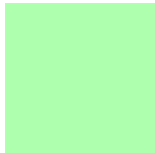
81.9790, 0.3294, 0.3729



Tritanomaly

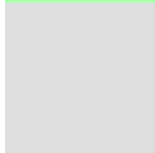
82.8719, 0.2919, 0.3510

Monochromacy



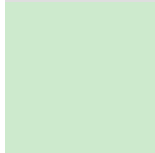
Original Color

83.5747, 0.3083, 0.4234



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.2326, 0.3112, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5747, 0.3083, 0.4234 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, 174)` looks like.

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

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, 174) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 83.5747, 0.3083, 0.4234 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, 174) }
```

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

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

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, 174)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 83.5747, 0.3083, 0.4234 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, 174) }
```

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

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

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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