

Converting Colors

Yxy(83.2565, 0.3090, 0.4276)

Have a look what the booklet for
Yxy(83.2565, 0.3090, 0.4276)
contains.

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Color

Yxy(83.2309, 0.3087, 0.4273)

Conversions

Conversions Part 1

Format	Color
Hex	ACFFAB
RGB	172, 255, 171
RGB Percent	67%, 100%, 67%
CMY	0.3253, 0.0000, 0.3294
CMYK	0.33, 0.00, 0.33, 0.00
HSL	119°, 100%, 84%
HSV	119°, 33%, 100%
XYZ	60.1296, 83.2309, 51.4228
YIQ	220.6070, -22.5040, -43.7200

Conversions

Conversions Part 2

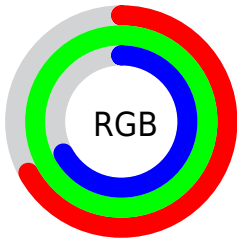
Format	Color
RYB	171, 255, 254
Decimal	11337643
CIELab	93.12, -41.10, 32.38
CIELCh	93, 52.322, 141.767
Yxy	83.2309, 0.3087, 0.4273
Android (android.graphics.Color)	4289527723 (0xFFACFFAB)
YUV	220.6070, -24.4563, -42.6283
Hunter-Lab	91.2310, -42.0063, 30.4426

Details

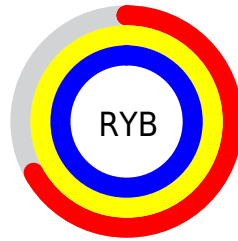
The Yxy color **83.2309, 0.3087, 0.4273** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.4093, 0.3157, 0.2467**, and the grayscale version is **72.2099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7241, 0.3126, 0.3576**, and **45.4781, 0.3062, 0.4522** is the 20% darker color. If you saturate the color by 10%, you get **79.7685, 0.3071, 0.4630**, and if you desaturate by 10%, it is **87.4279, 0.3101, 0.3937**.

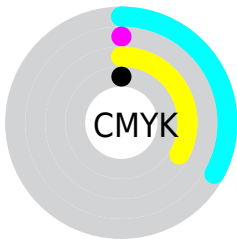
Distribution



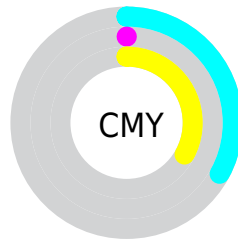
- Red (67%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2309, 0.3087, 0.4273 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 83.2309, 0.3087, 0.4273 by changing the saturation by 10% instead.

 83.2309, 0.3087,
0.4273

 83.2309, 0.3087,
0.4273

505.7557, 0.3120,
0.3803

 62.3807, 0.3076,
0.4383


 137.8988, 0.3101,
0.4108

 45.3403, 0.3060,
0.4520


172.4853, 0.3106,
0.4044

 31.7256, 0.3036,
0.4696


212.4192, 0.3110,
0.3989

 21.1520, 0.3000,
0.4927

258.0851, 0.3113,
0.3942

 13.2351, 0.2941,
0.5245

309.8673, 0.3115,
0.3901

 7.5907, 0.2836,
0.5701


368.1502, 0.3117,


 3.8342, 0.2657,


0.3865


0.6463


433.3182, 0.3119,
0.3832


 1.5812, 0.1924,
0.8076

 0.3449, 0.0000,
1.0000

 83.2309, 0.3087,
0.4273


 83.2309, 0.3087,
0.4273


 79.7685, 0.3071,
0.4630


 87.4279, 0.3101,
0.3937

 76.9887, 0.3055,
0.4991

 92.3872, 0.3114,
0.3632

 74.8495, 0.3039,
0.5330

 98.1476, 0.3124,
0.3363

 73.2998, 0.3024,
0.5619

99.9993, 0.3127,
0.3290

■ 72.2808, 0.3013,
0.5832

■ 71.7216, 0.3005,
0.5957

■ 71.5396, 0.3002,
0.5999

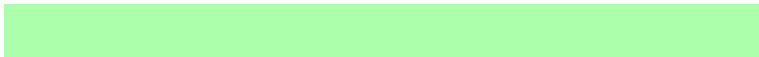
Harmonies

Analogous

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



83.2309, 0.3671, 0.4382



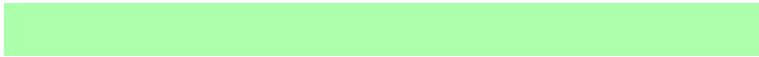
83.2309, 0.3087, 0.4273



83.2309, 0.2543, 0.3797

Triad

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



83.2309, 0.3087, 0.4273



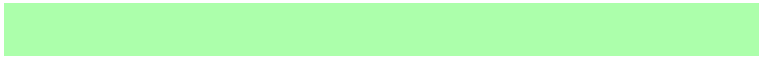
83.2309, 0.2175, 0.2402



83.2309, 0.4169, 0.3266

Complementary

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



83.2309, 0.3087, 0.4273



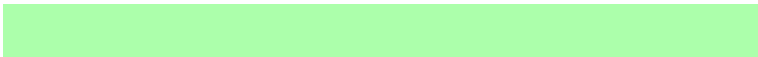
57.4093, 0.3157, 0.2467

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.



83.2309, 0.3689, 0.2837



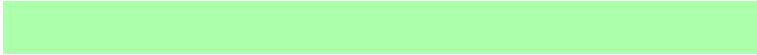
83.2309, 0.3087, 0.4273



83.2309, 0.2529, 0.2357

Square

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



83.2309, 0.3087, 0.4273



83.2309, 0.2053, 0.2676



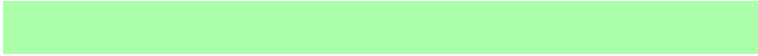
83.2309, 0.3074, 0.2515



83.2309, 0.4330, 0.3731

Rectangle

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



83.2309, 0.3087, 0.4273



83.2309, 0.2274, 0.3381



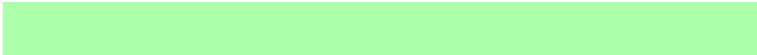
83.2309, 0.3074, 0.2515



83.2309, 0.4038, 0.3115

Sweetspot

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



83.2344, 0.3087, 0.4273



93.9975, 0.3117, 0.3549



94.8294, 0.3630, 0.4103



19.9528, 0.3115, 0.3589



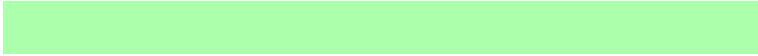
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

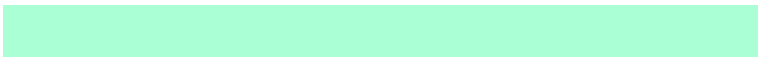
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2344, 0.3087, 0.4273



80.7154, 0.3076, 0.4524



84.9105, 0.2870, 0.3785



20.1788, 0.3117, 0.3536



37.3860, 0.3003, 0.5998



3.6437, 0.3009, 0.5993

Inverse Universe

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



57.4093, 0.3157, 0.2467



51.0244, 0.3163, 0.2298



55.2611, 0.3501, 0.2845



18.2883, 0.3136, 0.3056



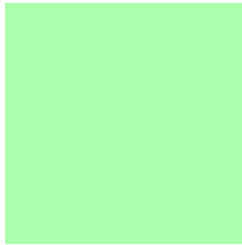
14.5772, 0.3178, 0.1525



1.4229, 0.3182, 0.1527

Previews

White Background



This preview shows how the Yxy color 83.2309, 0.3087, 0.4273 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 83.2309, 0.3087, 0.4273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

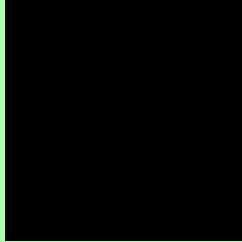
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.2309, 0.3087, 0.4273

Background



This preview shows how black text looks on a background with the Yxy color 83.2309, 0.3087, 0.4273.

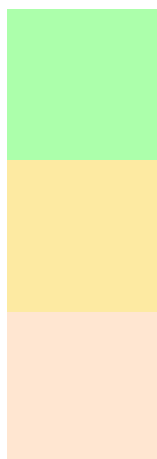


This preview shows how white text looks on a background with the Yxy color 83.2309, 0.3087, 0.4273.

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

83.2309, 0.3087, 0.4273

Protanopia

82.3369, 0.3732, 0.4020

Deuteranopia

82.4571, 0.3442, 0.3502



Tritanopia

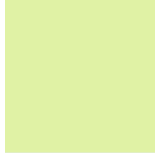
82.8271, 0.2812, 0.3142

Trichromacy



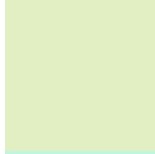
Original Color

83.2309, 0.3087, 0.4273



Protanomaly

82.0682, 0.3479, 0.4121



Deuteranomaly

81.6807, 0.3306, 0.3763



Tritanomaly

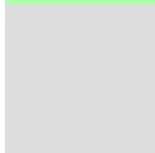
82.4998, 0.2919, 0.3533

Monochromacy



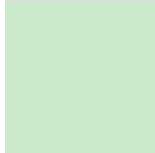
Original Color

83.2309, 0.3087, 0.4273



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.2861, 0.3111, 0.3629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2309, 0.3087, 0.4273 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(172, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 171)  
}
```

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(172, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 171) }
```

Border

The CSS property to change the border of an element to Yxy 83.2309, 0.3087, 0.4273 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(172, 255, 171) }
```

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

```
.border{ border-color:rgb(172, 255, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2309, 0.3087, 0.4273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 171) }
```

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

```
.background{ background-color: rgb(172,  
255, 171) }
```

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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