

Converting Colors

Yxy(83.4382, 0.3101, 0.4276)

Have a look what the booklet for
Yxy(83.4382, 0.3101, 0.4276)
contains.

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Color

Yxy(83.4210, 0.3104, 0.4282)

Conversions

Conversions Part 1

Format	Color
Hex	AEFFAA
RGB	174, 255, 170
RGB Percent	68%, 100%, 67%
CMY	0.3176, 0.0000, 0.3335
CMYK	0.32, 0.00, 0.33, 0.00
HSL	117°, 100%, 83%
HSV	117°, 33%, 100%
XYZ	60.4715, 83.4210, 50.9254
YIQ	221.0910, -20.9910, -43.6070

Conversions

Conversions Part 2

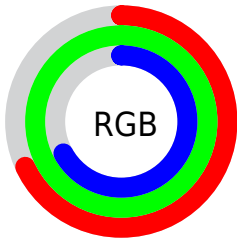
Format	Color
RYB	170, 255, 251
Decimal	11468714
CIELab	93.20, -40.64, 33.03
CIElCh	93, 52.371, 140.903
Yxy	83.4210, 0.3104, 0.4282
Android (android.graphics.Color)	4289658794 (0xFFAEFFAA)
YUV	221.0910, -25.1879, -41.2988
Hunter-Lab	91.3351, -41.6545, 30.8765

Details

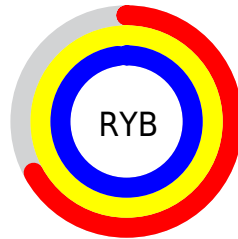
The Yxy color **83.4210, 0.3104, 0.4282** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.4543, 0.3134, 0.2451**, and the grayscale version is **72.5657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9999, 0.3144, 0.3585**, and **45.5945, 0.3083, 0.4532** is the 20% darker color. If you saturate the color by 10%, you get **80.0069, 0.3092, 0.4636**, and if you desaturate by 10%, it is **87.5282, 0.3113, 0.3948**.

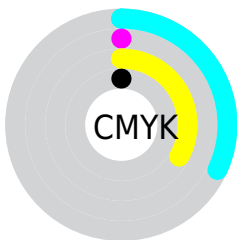
Distribution



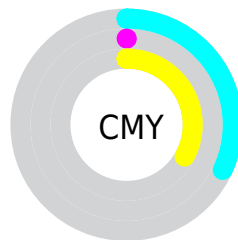
- Red (68%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (98%)



- Cyan (32%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4210, 0.3104, 0.4282 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 83.4210, 0.3104, 0.4282 by changing the saturation by 10% instead.

 83.4210, 0.3104,
0.4282

 83.4210, 0.3104,
0.4282

506.3885, 0.3130,
0.3808

 62.5375, 0.3094,
0.4393

 138.1650, 0.3116,
0.4115

 45.4672, 0.3080,
0.4531


172.7942, 0.3120,
0.4051

 31.8256, 0.3059,
0.4708


212.7742, 0.3123,
0.3996

 21.2283, 0.3026,
0.4940

258.4893, 0.3125,
0.3949

 13.2910, 0.2970,
0.5258

310.3238, 0.3127,
0.3907

 7.6292, 0.2869,
0.5714


368.6623, 0.3128,


 3.8586, 0.2699,


0.3870


0.6483

433.8891, 0.3129,
0.3838


 1.5948, 0.1991,
0.8009


 0.3541, 0.0000,
1.0000


 83.4210, 0.3104,
0.4282


 83.4210, 0.3104,
0.4282


 80.0069, 0.3092,
0.4636


 87.5282, 0.3113,
0.3948

 77.2452, 0.3078,
0.4993

 92.3610, 0.3121,
0.3643

 75.0951, 0.3061,
0.5329

 97.9529, 0.3126,
0.3373

 73.5100, 0.3044,
0.5615

100.0000, 0.3127,
0.3290

■ 72.4367, 0.3028,
0.5827

■ 71.8118, 0.3013,
0.5953

■ 71.5994, 0.3007,
0.5995

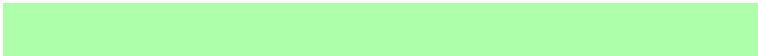
Harmonies

Analogous

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



83.4210, 0.3687, 0.4380



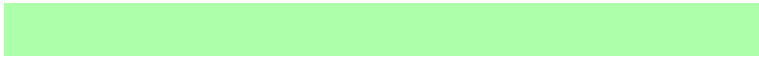
83.4210, 0.3104, 0.4282



83.4210, 0.2557, 0.3814

Triad

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



83.4210, 0.3104, 0.4282



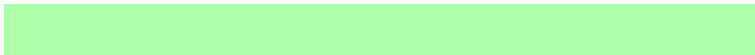
83.4210, 0.2168, 0.2406



83.4210, 0.4159, 0.3253

Complementary

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



83.4210, 0.3104, 0.4282



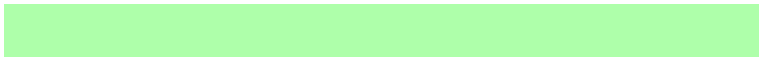
56.4543, 0.3134, 0.2451

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.



83.4210, 0.3672, 0.2826



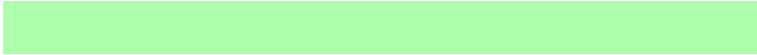
83.4210, 0.3104, 0.4282



83.4210, 0.2516, 0.2355

Square

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



83.4210, 0.3104, 0.4282



83.4210, 0.2053, 0.2687



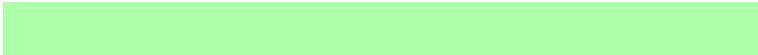
83.4210, 0.3057, 0.2508



83.4210, 0.4331, 0.3718

Rectangle

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



83.4210, 0.3104, 0.4282



83.4210, 0.2284, 0.3399



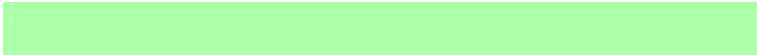
83.4210, 0.3057, 0.2508



83.4210, 0.4025, 0.3103

Sweetspot

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



83.4219, 0.3104, 0.4282



94.1469, 0.3123, 0.3549



92.9980, 0.3644, 0.4088



19.9886, 0.3122, 0.3588



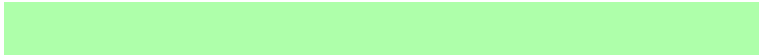
0.0000, 0.0000, 0.0000



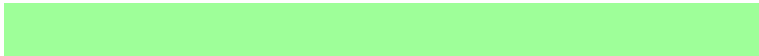
21.4041, 0.3127, 0.3290

Same Dimension

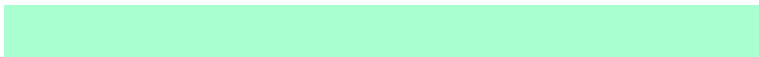
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4219, 0.3104, 0.4282



81.0754, 0.3096, 0.4516



84.6273, 0.2882, 0.3826



20.2095, 0.3123, 0.3535



37.4296, 0.3010, 0.5992



3.6583, 0.3033, 0.5974

Inverse Universe

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



56.4543, 0.3134, 0.2451



50.3512, 0.3133, 0.2289



54.9916, 0.3482, 0.2812



18.2536, 0.3130, 0.3055



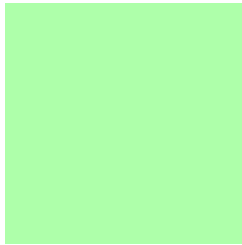
13.7330, 0.3090, 0.1476



1.3502, 0.3104, 0.1484

Previews

White Background



This preview shows how the Yxy color 83.4210, 0.3104, 0.4282 looks on a white background.

Color Contrast Check

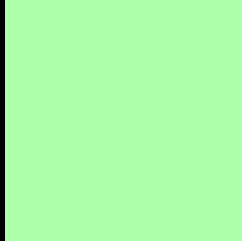
Large Text (above 18pt) WCAG AA × Fail

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 83.4210, 0.3104, 0.4282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

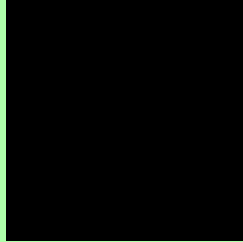
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

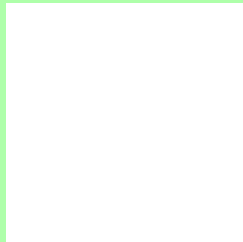
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4210, 0.3104, 0.4282

Background



This preview shows how black text looks on a background with the Yxy color 83.4210, 0.3104, 0.4282.

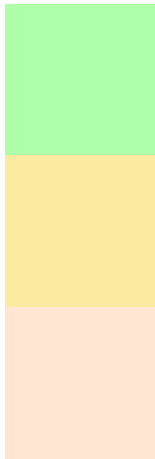


This preview shows how white text looks on a background with the Yxy color 83.4210, 0.3104, 0.4282.

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

83.4210, 0.3104, 0.4282

Protanopia

82.3015, 0.3739, 0.4030

Deuteranopia

82.5068, 0.3435, 0.3492



Tritanopia

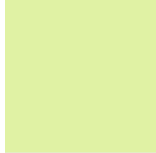
83.1097, 0.2823, 0.3142

Trichromacy



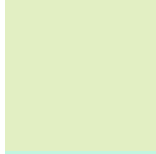
Original Color

83.4210, 0.3104, 0.4282



Protanomaly

82.0319, 0.3485, 0.4132



Deuteranomaly

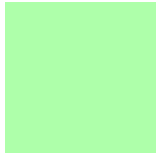
81.8419, 0.3313, 0.3762



Tritanomaly

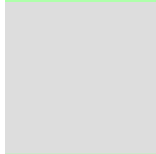
82.7627, 0.2930, 0.3532

Monochromacy



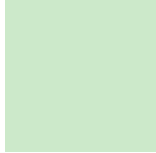
Original Color

83.4210, 0.3104, 0.4282



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.3795, 0.3124, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4210, 0.3104, 0.4282 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 170) }
```

Border

The CSS property to change the border of an element to Yxy 83.4210, 0.3104, 0.4282 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, 170) }
```

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

```
.border{ border-color:rgb(174, 255, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4210, 0.3104, 0.4282 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, 170) }
```

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

```
.background{ background-color: rgb(174,  
255, 170) }
```

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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