

Converting Colors

Yxy(83.5818, 0.3069, 0.4212)

Have a look what the booklet for
Yxy(83.5818, 0.3069, 0.4212)
contains.

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Color

Yxy(83.5388, 0.3067, 0.4211)

Conversions

Conversions Part 1

Format	Color
Hex	ADFFB0
RGB	173, 255, 176
RGB Percent	68%, 100%, 69%
CMY	0.3213, 0.0000, 0.3097
CMYK	0.32, 0.00, 0.31, 0.00
HSL	122°, 100%, 84%
HSV	122°, 32%, 100%
XYZ	60.8439, 83.5388, 53.9997
YIQ	221.4760, -23.5130, -41.9530

Conversions

Conversions Part 2

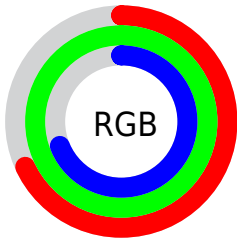
Format	Color
RYB	173, 252, 255
Decimal	11403184
CIELab	93.25, -39.98, 30.05
CIElCh	93, 50.019, 143.072
Yxy	83.5388, 0.3067, 0.4211
Android (android.graphics.Color)	4289593264 (0xFFADFFB0)
YUV	221.4760, -22.4197, -42.5135
Hunter-Lab	91.3996, -41.1234, 28.9506

Details

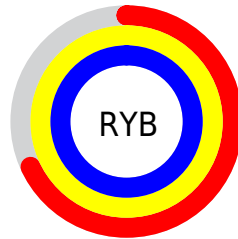
The Yxy color **83.5388, 0.3067, 0.4211** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **58.2069, 0.3187, 0.2515**, and the grayscale version is **72.8455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1692, 0.3104, 0.3523**, and **45.6698, 0.3038, 0.4442** is the 20% darker color. If you saturate the color by 10%, you get **80.0191, 0.3047, 0.4556**, and if you desaturate by 10%, it is **87.7966, 0.3087, 0.3889**.

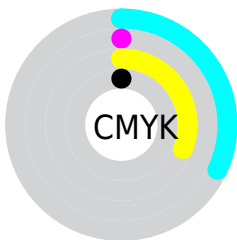
Distribution



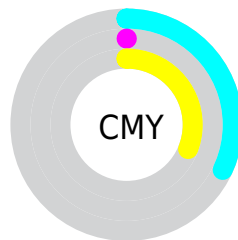
- Red (68%)
- Green (100%)
- Blue (69%)



- Red (68%)
- Yellow (99%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (32%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5388, 0.3067, 0.4211 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 83.5388, 0.3067, 0.4211 by changing the saturation by 10% instead.

 83.5388, 0.3067,
0.4211

 83.5388, 0.3067,
0.4211

506.7804, 0.3107,
0.3772

 62.6347, 0.3055,
0.4314


 138.3298, 0.3084,
0.4056

 45.5458, 0.3038,
0.4442


172.9856, 0.3089,
0.3997

 31.8875, 0.3013,
0.4606


212.9941, 0.3094,
0.3946

 21.2756, 0.2977,
0.4822

258.7396, 0.3098,
0.3902

 13.3256, 0.2920,
0.5120

310.6066, 0.3101,
0.3863

 7.6531, 0.2820,
0.5550


368.9795, 0.3103,


 3.8738, 0.2638,

0.3829

0.6233


434.2426, 0.3105,
0.3799


 1.6032, 0.2068,
0.7932


 0.3598, 0.0000,
1.0000


 83.5388, 0.3067,
0.4211


 83.5388, 0.3067,
0.4211

 80.0191, 0.3047,
0.4556


 87.7966, 0.3087,
0.3889

 77.1857, 0.3029,
0.4910

 92.8198, 0.3106,
0.3597

 74.9969, 0.3013,
0.5248

 98.6472, 0.3124,
0.3340

 73.4021, 0.3002,
0.5546

99.9939, 0.3127,
0.3290

■ 72.3430, 0.2996,
0.5777

■ 71.7498, 0.2995,
0.5926

■ 71.5339, 0.2996,
0.5985

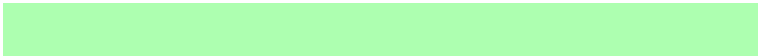
Harmonies

Analogous

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



83.5388, 0.3627, 0.4336



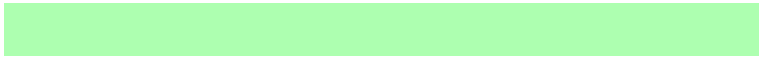
83.5388, 0.3067, 0.4211



83.5388, 0.2550, 0.3748

Triad

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



83.5388, 0.3067, 0.4211



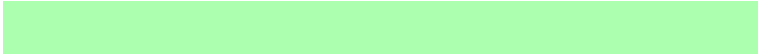
83.5388, 0.2224, 0.2432



83.5388, 0.4135, 0.3289

Complementary

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



83.5388, 0.3067, 0.4211



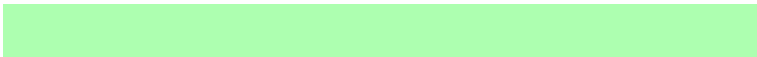
58.2069, 0.3187, 0.2515

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.



83.5388, 0.3689, 0.2873



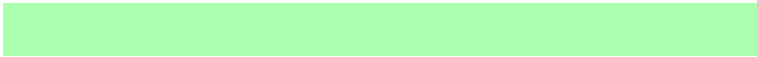
83.5388, 0.3067, 0.4211



83.5388, 0.2575, 0.2397

Square

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



83.5388, 0.3067, 0.4211



83.5388, 0.2097, 0.2688



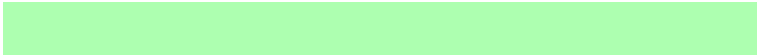
83.5388, 0.3103, 0.2557



83.5388, 0.4275, 0.3736

Rectangle

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



83.5388, 0.3067, 0.4211



83.5388, 0.2297, 0.3354



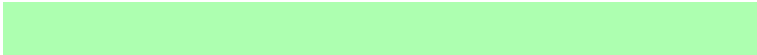
83.5388, 0.3103, 0.2557



83.5388, 0.4014, 0.3143

Sweetspot

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



83.5423, 0.3067, 0.4211



93.9969, 0.3110, 0.3540



95.2781, 0.3595, 0.4100



19.9527, 0.3107, 0.3578



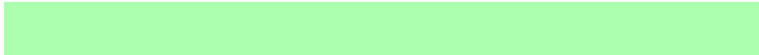
0.0000, 0.0000, 0.0000



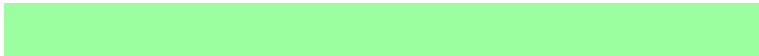
21.4041, 0.3127, 0.3290

Same Dimension

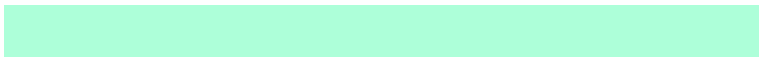
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5423, 0.3067, 0.4211



81.0504, 0.3053, 0.4447



85.4046, 0.2855, 0.3723



20.1787, 0.3111, 0.3527



37.3858, 0.2994, 0.5978



3.6437, 0.2980, 0.5927

Inverse Universe

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



58.2069, 0.3187, 0.2515



51.8785, 0.3201, 0.2355



55.8938, 0.3524, 0.2897



18.2885, 0.3144, 0.3064



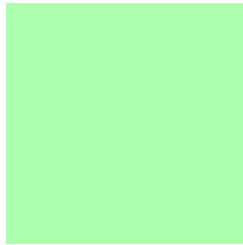
14.5858, 0.3301, 0.1592



1.4236, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 83.5388, 0.3067, 0.4211 looks on a white background.

Color Contrast Check

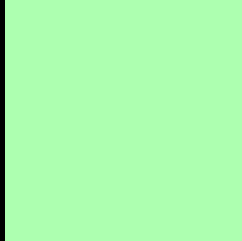
Large Text (above 18pt) WCAG AA × Fail

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 83.5388, 0.3067, 0.4211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

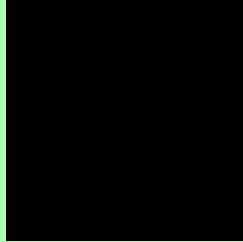
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

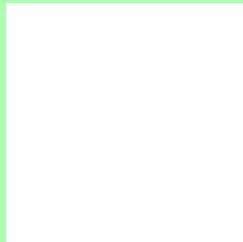
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5388, 0.3067, 0.4211

Background



This preview shows how black text looks on a background with the Yxy color 83.5388, 0.3067, 0.4211.

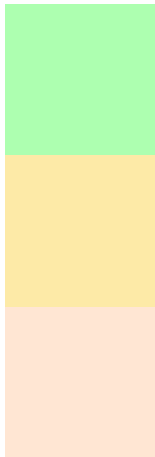


This preview shows how white text looks on a background with the Yxy color 83.5388, 0.3067, 0.4211.

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

83.5388, 0.3067, 0.4211

Protanopia

82.5183, 0.3700, 0.3970

Deuteranopia

82.5568, 0.3428, 0.3482



Tritanopia

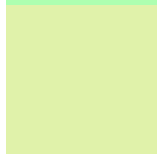
83.1097, 0.2823, 0.3142

Trichromacy



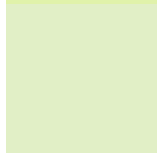
Original Color

83.5388, 0.3067, 0.4211



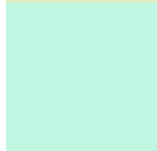
Protanomaly

82.2538, 0.3449, 0.4067



Deuteranomaly

81.8178, 0.3288, 0.3730



Tritanomaly

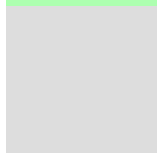
82.7400, 0.2913, 0.3510

Monochromacy



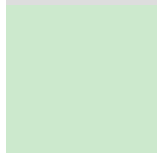
Original Color

83.5388, 0.3067, 0.4211



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.5230, 0.3106, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5388, 0.3067, 0.4211 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 176) }
```

Border

The CSS property to change the border of an element to Yxy 83.5388, 0.3067, 0.4211 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, 176) }
```

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

```
.border{ border-color:rgb(173, 255, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5388, 0.3067, 0.4211 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, 176) }
```

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

```
.background{ background-color: rgb(173,  
255, 176) }
```

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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