

Converting Colors

$Yxy(83.7052, 0.3069, 0.4199)$

Have a look what the booklet for
Yxy(83.7052, 0.3069, 0.4199)
contains.

Yxy(83.6930, 0.3067, 0.4198)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.6930, 0.3067, 0.4198)

Conversions

Conversions Part 1

Format	Color
Hex	AEFFB1
RGB	174, 255, 177
RGB Percent	68%, 100%, 69%
CMY	0.3178, 0.0000, 0.3059
CMYK	0.32, 0.00, 0.31, 0.00
HSL	122°, 100%, 84%
HSV	122°, 32%, 100%
XYZ	61.1449, 83.6930, 54.5260
YIQ	221.8890, -23.2380, -41.4300

Conversions

Conversions Part 2

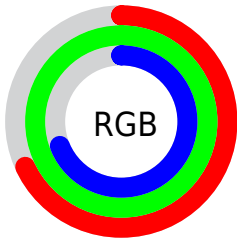
Format	Color
RYB	174, 252, 255
Decimal	11468721
CIELab	93.32, -39.56, 29.66
CIELCh	93, 49.445, 143.147
Yxy	83.6930, 0.3067, 0.4198
Android (android.graphics.Color)	4289658801 (0xFFFAEFFB1)
YUV	221.8890, -22.1303, -41.9987
Hunter-Lab	91.4839, -40.7930, 28.7008

Details

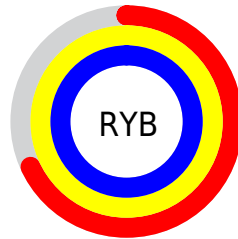
The Yxy color **83.6930, 0.3067, 0.4198** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **58.5436, 0.3188, 0.2524**, and the grayscale version is **73.1271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3921, 0.3104, 0.3513**, and **45.7653, 0.3039, 0.4424** is the 20% darker color. If you saturate the color by 10%, you get **80.1412, 0.3047, 0.4542**, and if you desaturate by 10%, it is **87.9683, 0.3087, 0.3877**.

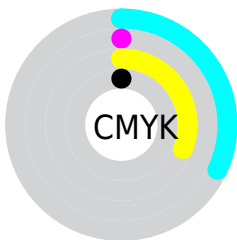
Distribution



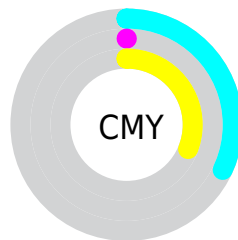
- Red (68%)
- Green (100%)
- Blue (69%)



- 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 83.6930, 0.3067, 0.4198 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 83.6930, 0.3067, 0.4198 by changing the saturation by 10% instead.

 83.6930, 0.3067,
0.4198

 83.6930, 0.3067,
0.4198

507.2932, 0.3107,
0.3766

 62.7620, 0.3055,
0.4299


 138.5456, 0.3083,
0.4046

 45.6487, 0.3038,
0.4425


173.2361, 0.3089,
0.3987

 31.9687, 0.3014,
0.4587

213.2818, 0.3093,
0.3937

 21.3376, 0.2979,
0.4800

259.0672, 0.3097,
0.3894

 13.3710, 0.2923,
0.5092

310.9766, 0.3100,
0.3856

 7.6845, 0.2826,
0.5515


369.3945, 0.3103,


 3.8937, 0.2647,


0.3822


0.6183


434.7052, 0.3105,
0.3792


 1.6143, 0.2124,
0.7876


 0.3672, 0.0000,
1.0000


 83.6930, 0.3067,
0.4198


 83.6930, 0.3067,
0.4198


 80.1412, 0.3047,
0.4542


 87.9683, 0.3087,
0.3877

 77.2845, 0.3028,
0.4895

 93.0175, 0.3106,
0.3588

 75.0736, 0.3012,
0.5234

 98.8715, 0.3124,
0.3332

 73.4583, 0.3001,
0.5534

100.0000, 0.3127,
0.3290

■ 72.3806, 0.2995,
0.5768

■ 71.7714, 0.2994,
0.5921

■ 71.5410, 0.2996,
0.5984

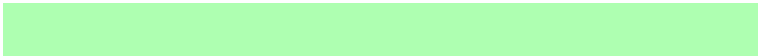
Harmonies

Analogous

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



83.6930, 0.3621, 0.4323



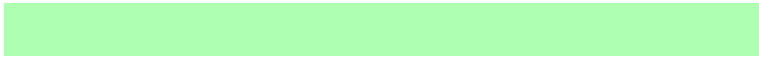
83.6930, 0.3067, 0.4198



83.6930, 0.2556, 0.3741

Triad

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



83.6930, 0.3067, 0.4198



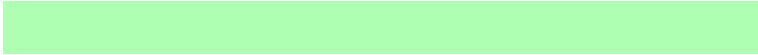
83.6930, 0.2235, 0.2442



83.6930, 0.4124, 0.3291

Complementary

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



83.6930, 0.3067, 0.4198



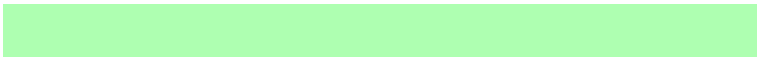
58.5436, 0.3188, 0.2524

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.



83.6930, 0.3683, 0.2879



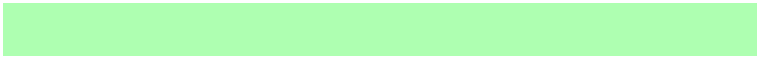
83.6930, 0.3067, 0.4198



83.6930, 0.2582, 0.2407

Square

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



83.6930, 0.3067, 0.4198



83.6930, 0.2108, 0.2695



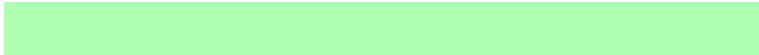
83.6930, 0.3105, 0.2565



83.6930, 0.4262, 0.3733

Rectangle

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



83.6930, 0.3067, 0.4198



83.6930, 0.2306, 0.3352



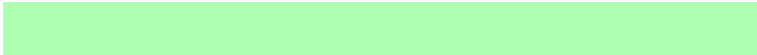
83.6930, 0.3105, 0.2565



83.6930, 0.4005, 0.3147

Sweetspot

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



83.6888, 0.3067, 0.4198



93.9992, 0.3110, 0.3540



95.3258, 0.3590, 0.4091



19.9533, 0.3107, 0.3577



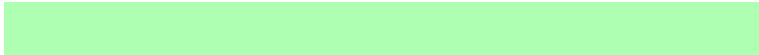
0.0000, 0.0000, 0.0000



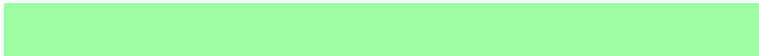
21.4041, 0.3127, 0.3290

Same Dimension

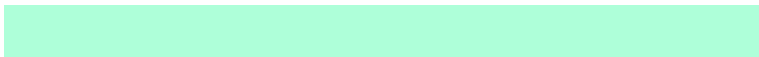
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6888, 0.3067, 0.4198



81.3984, 0.3054, 0.4410



85.5337, 0.2858, 0.3717



20.1792, 0.3110, 0.3526



37.3865, 0.2994, 0.5977



3.6439, 0.2979, 0.5923

Inverse Universe

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



58.5436, 0.3188, 0.2524



52.7360, 0.3200, 0.2379



56.2601, 0.3519, 0.2902



18.2879, 0.3144, 0.3064



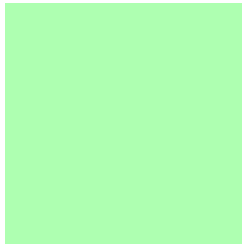
14.5728, 0.3305, 0.1595



1.4224, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 83.6930, 0.3067, 0.4198 looks on a white background.

Color Contrast Check

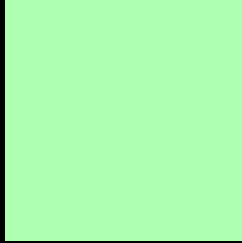
Large Text (above 18pt) WCAG AA × Fail

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 83.6930, 0.3067, 0.4198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

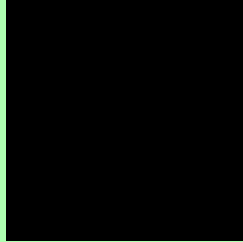
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.6930, 0.3067, 0.4198

Background



This preview shows how black text looks on a background with the Yxy color 83.6930, 0.3067, 0.4198.

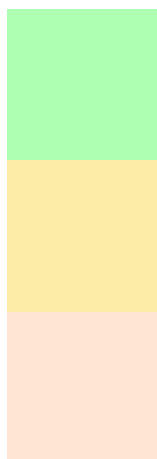


This preview shows how white text looks on a background with the Yxy color 83.6930, 0.3067, 0.4198.

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

83.6930, 0.3067, 0.4198

Protanopia

83.1265, 0.3690, 0.3969

Deuteranopia

82.6071, 0.3421, 0.3471



Tritanopia

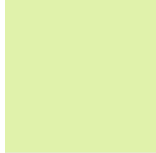
83.1097, 0.2823, 0.3142

Trichromacy



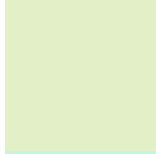
Original Color

83.6930, 0.3067, 0.4198



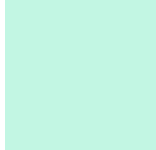
Protanomaly

82.2918, 0.3443, 0.4056



Deuteranomaly

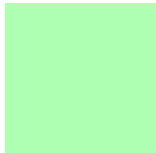
82.0253, 0.3288, 0.3718



Tritanomaly

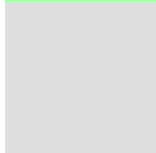
82.9269, 0.2914, 0.3499

Monochromacy



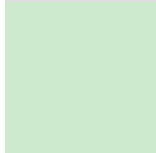
Original Color

83.6930, 0.3067, 0.4198



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.2810, 0.3106, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6930, 0.3067, 0.4198 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 177) }
```

Border

The CSS property to change the border of an element to Yxy 83.6930, 0.3067, 0.4198 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, 177) }
```

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

```
.border{ border-color:rgb(174, 255, 177) }
```

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, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6930, 0.3067, 0.4198 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, 177) }
```

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

```
.background{ background-color: rgb(174,  
255, 177) }
```

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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