

Converting Colors

Yxy(82.9489, 0.3226, 0.4098)

Have a look what the booklet for
Yxy(82.9489, 0.3226, 0.4098)
contains.

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Color

Yxy(83.0678, 0.3226, 0.4100)

Conversions

Conversions Part 1

Format	Color
Hex	C7F9B1
RGB	199, 249, 177
RGB Percent	78%, 98%, 69%
CMY	0.2197, 0.0235, 0.3059
CMYK	0.20, 0.00, 0.29, 0.02
HSL	102°, 86%, 84%
HSV	102°, 29%, 98%
XYZ	65.3602, 83.0678, 54.1764
YIQ	225.8420, -6.6880, -32.9920

Conversions

Conversions Part 2

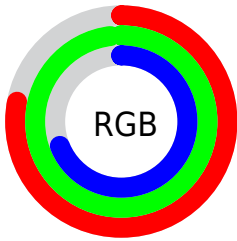
Format	Color
RYB	177, 249, 227
Decimal	13105585
CIELab	93.04, -28.69, 29.53
CIElCh	93, 41.168, 134.178
Yxy	83.0678, 0.3226, 0.4100
Android (android.graphics.Color)	4291295665 (0xFFC7F9B1)
YUV	225.8420, -24.0791, -23.5404
Hunter-Lab	91.1415, -31.4903, 28.5559

Details

The Yxy color **83.0678, 0.3226, 0.4100** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.6131, 0.2988, 0.2530**, and the grayscale version is **76.1132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **45.0838, 0.3235, 0.4292** is the 20% darker color. If you saturate the color by 10%, you get **79.9346, 0.3251, 0.4422**, and if you desaturate by 10%, it is **86.6583, 0.3195, 0.3796**.

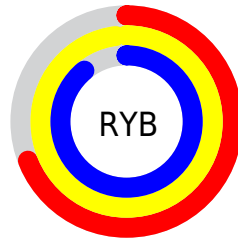
Distribution



Red (78%)

Green (98%)

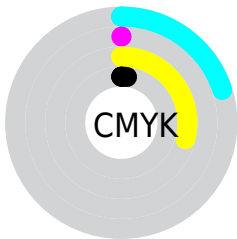
Blue (69%)



Red (69%)

Yellow (98%)

Blue (89%)

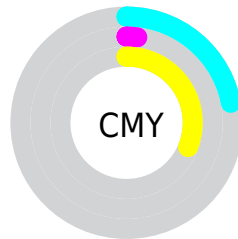


Cyan (20%)

Magenta (0%)

Yellow (29%)

Black (2%)



Cyan (22%)


Magenta (2%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.0678, 0.3226, 0.4100 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 83.0678, 0.3226, 0.4100 by changing the saturation by 10% instead.


 83.0678, 0.3226,
0.4100

 83.0678, 0.3226,
0.4100

505.2125, 0.3191,
0.3718

 62.2461, 0.3231,
0.4188


 137.6704, 0.3216,
0.3966

 45.2316, 0.3236,
0.4298


172.2201, 0.3212,
0.3915

 31.6399, 0.3240,
0.4438


212.1146, 0.3208,
0.3870

 21.0866, 0.3240,
0.4621

257.7382, 0.3204,
0.3832

 13.1873, 0.3233,
0.4870

309.4754, 0.3200,
0.3798

 7.5576, 0.3206,
0.5225


367.7106, 0.3197,


 3.8132, 0.3137,

0.3768

0.5781


432.8282, 0.3194,
0.3742


 1.5696, 0.2998,
0.7002


 0.3370, 0.0000,
1.0000


 83.0678, 0.3226,
0.4100


 83.0678, 0.3226,
0.4100


 79.9346, 0.3251,
0.4422


 86.6583, 0.3195,
0.3796

 77.2290, 0.3267,
0.4750

 90.7129, 0.3160,
0.3517

 74.9344, 0.3270,
0.5069

 95.2519, 0.3123,
0.3264

 73.0288, 0.3258,
0.5359

 96.2376, 0.3130,
0.3233

■ 71.4877, 0.3231,
0.5599

■ 70.2834, 0.3190,
0.5775

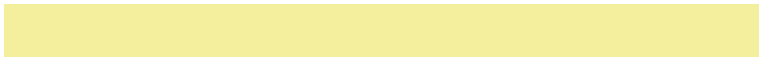
■ 69.3794, 0.3140,
0.5883

■ 69.2961, 0.3135,
0.5893

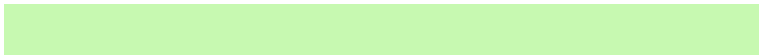
Harmonies

Analogous

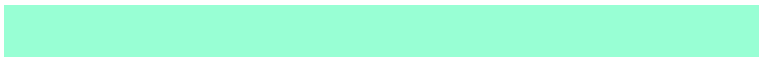
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0678, 0.3676, 0.4128



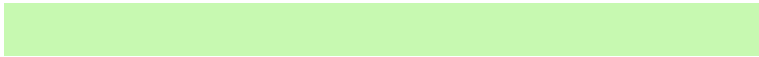
83.0678, 0.3226, 0.4100



83.0678, 0.2770, 0.3795

Triad

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



83.0678, 0.3226, 0.4100



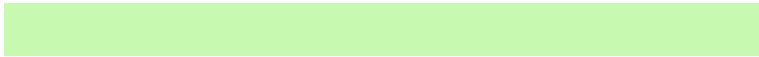
83.0678, 0.2316, 0.2620



83.0678, 0.3870, 0.3188

Complementary

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



83.0678, 0.3226, 0.4100



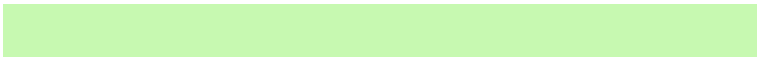
54.6131, 0.2988, 0.2530

Split Complementary

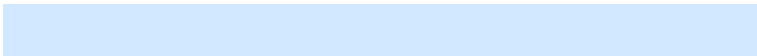
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0678, 0.3454, 0.2851



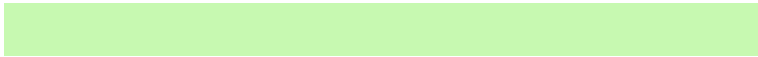
83.0678, 0.3226, 0.4100



83.0678, 0.2563, 0.2530

Square

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



83.0678, 0.3226, 0.4100



83.0678, 0.2268, 0.2899



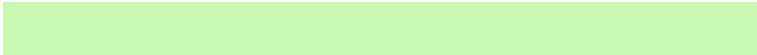
83.0678, 0.2971, 0.2616



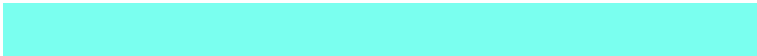
83.0678, 0.4070, 0.3567

Rectangle

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



83.0678, 0.3226, 0.4100



83.0678, 0.2522, 0.3491



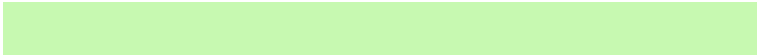
83.0678, 0.2971, 0.2616



83.0678, 0.3749, 0.3068

Sweetspot

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



83.0714, 0.3226, 0.4100



95.7100, 0.3160, 0.3519



77.8187, 0.3626, 0.3800



20.3459, 0.3165, 0.3558



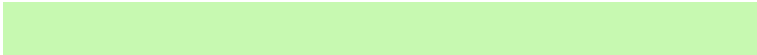
0.0000, 0.0000, 0.0000



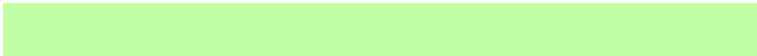
21.4041, 0.3127, 0.3290

Same Dimension

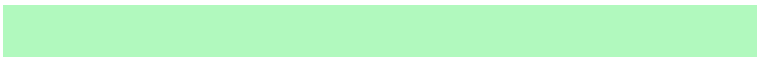
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0714, 0.3226, 0.4100



85.6024, 0.3242, 0.4295



80.8295, 0.3016, 0.3975



19.5662, 0.3162, 0.3532



37.1547, 0.3145, 0.5885



3.4942, 0.3232, 0.5816

Inverse Universe

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



54.6131, 0.2988, 0.2530



50.8536, 0.2949, 0.2360



57.6261, 0.3264, 0.2691



17.2430, 0.3089, 0.3053



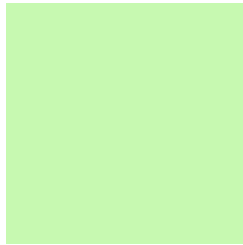
8.4921, 0.2449, 0.1123



0.8421, 0.2541, 0.1174

Previews

White Background



This preview shows how the Yxy color 83.0678, 0.3226, 0.4100 looks on a white background.

Color Contrast Check

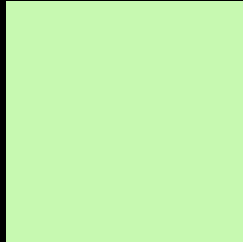
Large Text (above 18pt) WCAG AA × Fail

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 83.0678, 0.3226, 0.4100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

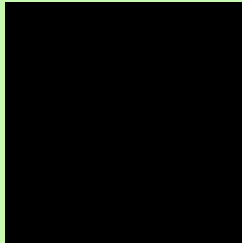
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

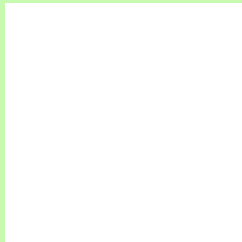
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0678, 0.3226, 0.4100

Background



This preview shows how black text looks on a background with the Yxy color 83.0678, 0.3226, 0.4100.

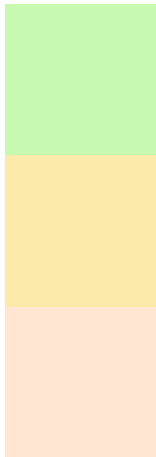


This preview shows how white text looks on a background with the Yxy color 83.0678, 0.3226, 0.4100.

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

83.0678, 0.3226, 0.4100

Protanopia

82.4434, 0.3673, 0.3942

Deuteranopia

82.5568, 0.3428, 0.3482



Tritanopia

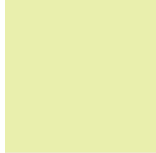
82.8161, 0.2881, 0.3113

Trichromacy



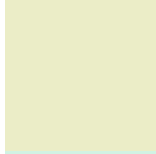
Original Color

83.0678, 0.3226, 0.4100



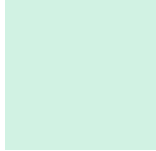
Protanomaly

82.0738, 0.3501, 0.3991



Deuteranomaly

82.3541, 0.3354, 0.3690



Tritanomaly

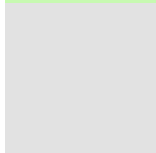
82.6056, 0.3005, 0.3451

Monochromacy



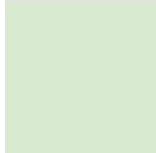
Original Color

83.0678, 0.3226, 0.4100



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

77.9986, 0.3168, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0678, 0.3226, 0.4100 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(199, 249, 177)` looks like.

```
.text, #text, p{  
    color:rgb(199, 249, 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(199, 249, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 249, 177) }
```

Border

The CSS property to change the border of an element to Yxy 83.0678, 0.3226, 0.4100 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(199, 249, 177) }
```

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

```
.border{ border-color:rgb(199, 249, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 249, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 249, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 249, 177);  
box-shadow:4px 4px 4px 4px rgb(199, 249,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0678, 0.3226, 0.4100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 249, 177) }
```

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

```
.background{ background-color: rgb(199,  
249, 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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