

Converting Colors

Yxy(83.1633, 0.3197, 0.4062)

Have a look what the booklet for
Yxy(83.1633, 0.3197, 0.4062)
contains.

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Color

Yxy(83.0933, 0.3197, 0.4055)

Conversions

Conversions Part 1

Format	Color
Hex	C6F9B5
RGB	198, 249, 181
RGB Percent	78%, 98%, 71%
CMY	0.2234, 0.0235, 0.2901
CMYK	0.20, 0.00, 0.27, 0.02
HSL	105°, 85%, 84%
HSV	105°, 27%, 98%
XYZ	65.5115, 83.0933, 56.3108
YIQ	225.9990, -8.5680, -31.9600

Conversions

Conversions Part 2

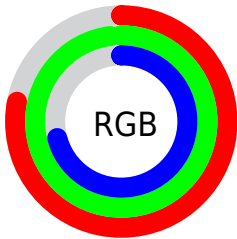
Format	Color
RYB	181, 249, 232
Decimal	13040053
CIELab	93.06, -28.40, 27.49
CIELCh	93, 39.523, 135.930
Yxy	83.0933, 0.3197, 0.4055
Android (android.graphics.Color)	4291230133 (0xFFC6F9B5)
YUV	225.9990, -22.1845, -24.5551
Hunter-Lab	91.1555, -31.2380, 27.1828

Details

The Yxy color **83.0933, 0.3197, 0.4055** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.0489, 0.3026, 0.2581**, and the grayscale version is **76.2271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **45.0974, 0.3199, 0.4234** is the 20% darker color. If you saturate the color by 10%, you get **79.7811, 0.3215, 0.4380**, and if you desaturate by 10%, it is **86.9080, 0.3174, 0.3751**.

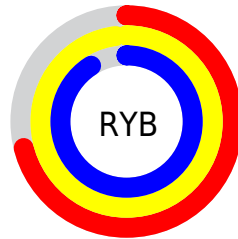
Distribution



Red (78%)

Green (98%)

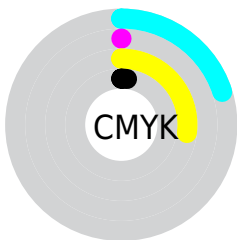
Blue (71%)



Red (71%)

Yellow (98%)

Blue (91%)

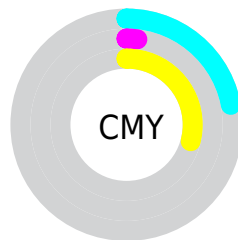


Cyan (20%)

Magenta (0%)

Yellow (27%)

Black (2%)



Cyan (22%)


Magenta (2%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.0933, 0.3197, 0.4055 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 83.0933, 0.3197, 0.4055 by changing the saturation by 10% instead.


 83.0933, 0.3197,
0.4055

 83.0933, 0.3197,
0.4055


505.2974, 0.3174,
0.3694

 62.2671, 0.3200,
0.4139


 137.7061, 0.3191,
0.3929

 45.2486, 0.3202,
0.4242

172.2616, 0.3188,
0.3880

 31.6533, 0.3202,
0.4374


212.1622, 0.3185,
0.3838

 21.0968, 0.3200,
0.4548

257.7925, 0.3183,
0.3802

 13.1948, 0.3189,
0.4784

309.5367, 0.3180,
0.3770

 7.5628, 0.3160,
0.5124

367.7794, 0.3178,

 3.8165, 0.3084,

0.3742

0.5648

432.9048, 0.3176,
0.3717

■ 1.5715, 0.3022,
0.6978

■ 0.3382, 0.0000,
1.0000

■ 83.0933, 0.3197,
0.4055

■ 83.0933, 0.3197,
0.4055

■ 79.7811, 0.3215,
0.4380

■ 86.9080, 0.3174,
0.3751

■ 76.9397, 0.3225,
0.4715

■ 91.2344, 0.3147,
0.3474

■ 74.5501, 0.3224,
0.5044

■ 96.0481, 0.3124,
0.3233

■ 72.5875, 0.3211,
0.5347

■ 96.2303, 0.3130,
0.3233

■ 71.0249, 0.3185,
0.5601

■ 69.8315, 0.3148,
0.5789

■ 68.9704, 0.3103,
0.5904

■ 68.7842, 0.3092,
0.5927

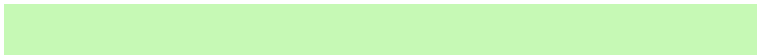
Harmonies

Analogous

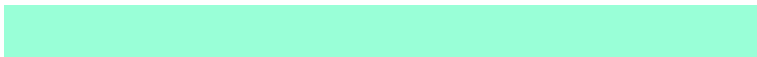
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0933, 0.3633, 0.4100



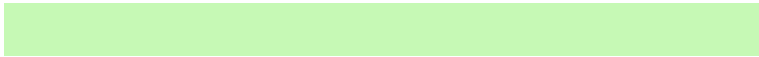
83.0933, 0.3197, 0.4055



83.0933, 0.2761, 0.3750

Triad

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



83.0933, 0.3197, 0.4055



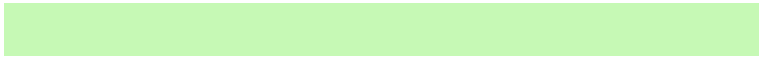
83.0933, 0.2355, 0.2636



83.0933, 0.3858, 0.3214

Complementary

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



83.0933, 0.3197, 0.4055



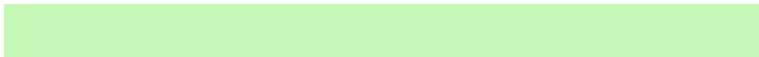
57.0489, 0.3026, 0.2581

Split Complementary

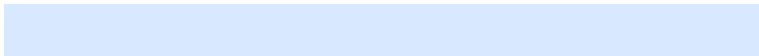
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0933, 0.3469, 0.2884



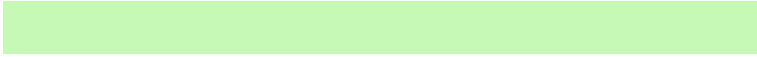
83.0933, 0.3197, 0.4055



83.0933, 0.2604, 0.2558

Square

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



83.0933, 0.3197, 0.4055



83.0933, 0.2297, 0.2895



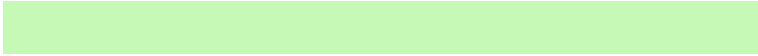
83.0933, 0.3004, 0.2650



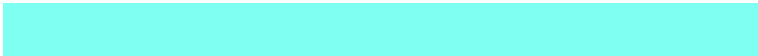
83.0933, 0.4035, 0.3580

Rectangle

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



83.0933, 0.3197, 0.4055



83.0933, 0.2528, 0.3457



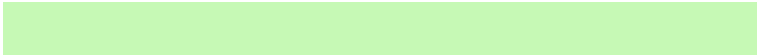
83.0933, 0.3004, 0.2650



83.0933, 0.3746, 0.3097

Sweetspot

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



83.0969, 0.3197, 0.4055



95.9686, 0.3149, 0.3493



80.5558, 0.3586, 0.3804



20.3876, 0.3153, 0.3533



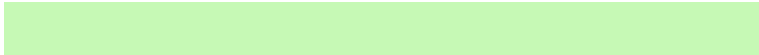
0.0000, 0.0000, 0.0000



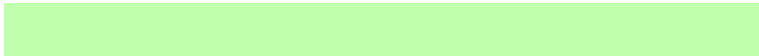
21.4041, 0.3127, 0.3290

Same Dimension

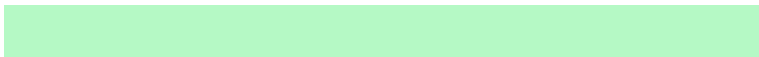
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0969, 0.3197, 0.4055



85.6486, 0.3208, 0.4239



81.6021, 0.3003, 0.3890



19.5190, 0.3153, 0.3533



36.8757, 0.3101, 0.5920



3.4631, 0.3182, 0.5856

Inverse Universe

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



57.0489, 0.3026, 0.2581



53.7723, 0.2999, 0.2425



59.0859, 0.3281, 0.2757



17.2931, 0.3098, 0.3053



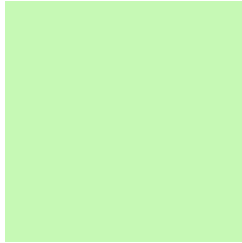
9.3665, 0.2582, 0.1196



0.9173, 0.2660, 0.1239

Previews

White Background



This preview shows how the Yxy color 83.0933, 0.3197, 0.4055 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 83.0933, 0.3197, 0.4055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

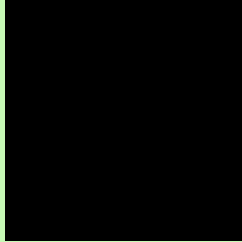
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

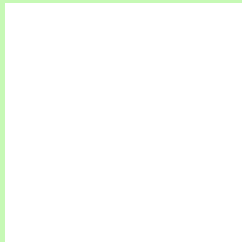
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0933, 0.3197, 0.4055

Background



This preview shows how black text looks on a background with the Yxy color 83.0933, 0.3197, 0.4055.

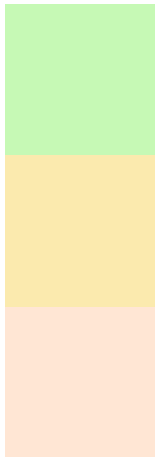


This preview shows how white text looks on a background with the Yxy color 83.0933, 0.3197, 0.4055.

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

83.0933, 0.3197, 0.4055

Protanopia

82.4109, 0.3639, 0.3903

Deuteranopia

82.6071, 0.3421, 0.3471



Tritanopia

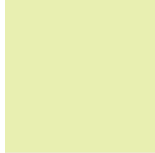
82.6652, 0.2875, 0.3113

Trichromacy



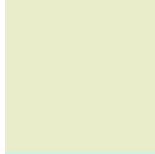
Original Color

83.0933, 0.3197, 0.4055



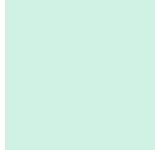
Protanomaly

82.0631, 0.3469, 0.3950



Deuteranomaly

82.2778, 0.3334, 0.3669



Tritanomaly

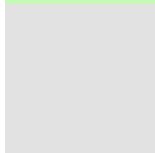
82.5156, 0.2992, 0.3441

Monochromacy



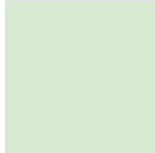
Original Color

83.0933, 0.3197, 0.4055



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.0977, 0.3155, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0933, 0.3197, 0.4055 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(198, 249, 181)` looks like.

```
.text, #text, p{  
    color:rgb(198, 249, 181)  
}
```

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(198, 249, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 249, 181) }
```

Border

The CSS property to change the border of an element to Yxy 83.0933, 0.3197, 0.4055 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(198, 249, 181) }
```

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

```
.border{ border-color:rgb(198, 249, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 249, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 249, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 249, 181);  
box-shadow:4px 4px 4px 4px rgb(198, 249,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0933, 0.3197, 0.4055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 249, 181) }
```

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

```
.background{ background-color: rgb(198,  
249, 181) }
```

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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