

Converting Colors

Yxy(83.2413, 0.3192, 0.4052)

Have a look what the booklet for
Yxy(83.2413, 0.3192, 0.4052)
contains.

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Color

Yxy(83.1345, 0.3191, 0.4044)

Conversions

Conversions Part 1

Format	Color
Hex	C6F9B6
RGB	198, 249, 182
RGB Percent	78%, 98%, 71%
CMY	0.2237, 0.0235, 0.2863
CMYK	0.21, 0.00, 0.27, 0.02
HSL	106°, 85%, 85%
HSV	106°, 27%, 98%
XYZ	65.5990, 83.1345, 56.8415
YIQ	226.1130, -8.8890, -31.6490

Conversions

Conversions Part 2

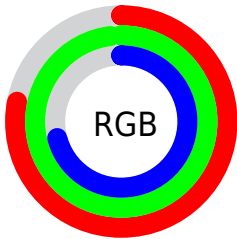
Format	Color
RYB	182, 249, 233
Decimal	13040054
CIELab	93.07, -28.28, 27.02
CIELCh	93, 39.111, 136.306
Yxy	83.1345, 0.3191, 0.4044
Android (android.graphics.Color)	4291230134 (0xFFC6F9B6)
YUV	226.1130, -21.7477, -24.6551
Hunter-Lab	91.1781, -31.1382, 26.8626

Details

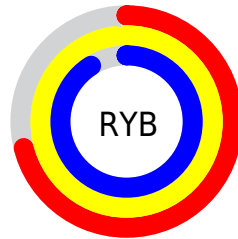
The Yxy color **83.1345, 0.3191, 0.4044** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.6271, 0.3034, 0.2593**, and the grayscale version is **76.3006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **45.1239, 0.3192, 0.4219** is the 20% darker color. If you saturate the color by 10%, you get **79.7805, 0.3207, 0.4369**, and if you desaturate by 10%, it is **87.0015, 0.3170, 0.3740**.

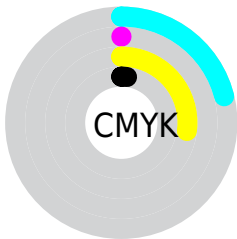
Distribution



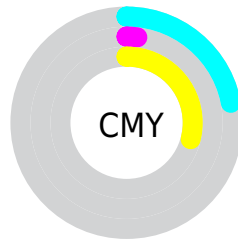
- Red (78%)
- Green (98%)
- Blue (71%)



- Red (71%)
- Yellow (98%)
- Blue (91%)



- Cyan (21%)
- Magenta (0%)
- Yellow (27%)
- Black (2%)





- Cyan (22%)
- Magenta (2%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1345, 0.3191, 0.4044 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 83.1345, 0.3191, 0.4044 by changing the saturation by 10% instead.


 83.1345, 0.3191,
0.4044

 83.1345, 0.3191,
0.4044

505.4347, 0.3171,
0.3689

 62.3011, 0.3193,
0.4126


 137.7638, 0.3186,
0.3920

 45.2761, 0.3195,
0.4229


172.3285, 0.3183,
0.3872

 31.6749, 0.3195,
0.4359


212.2392, 0.3181,
0.3830

 21.1133, 0.3191,
0.4530

257.8801, 0.3179,
0.3795

 13.2069, 0.3180,
0.4763

309.6357, 0.3176,
0.3763

 7.5711, 0.3151,
0.5099

367.8904, 0.3174,

 3.8218, 0.3074,

0.3735

0.5615

433.0286, 0.3172,
0.3711

■ 1.5744, 0.3033,
0.6967

■ 0.3402, 0.0000,
1.0000

■ 83.1345, 0.3191,
0.4044

■ 83.1345, 0.3191,
0.4044

■ 79.7805, 0.3207,
0.4369

■ 87.0015, 0.3170,
0.3740

■ 76.9073, 0.3216,
0.4706

■ 91.3911, 0.3145,
0.3464

■ 74.4953, 0.3214,
0.5037

■ 96.2161, 0.3129,
0.3233

■ 72.5190, 0.3201,
0.5342

■ 96.2408, 0.3130,
0.3233

■ 70.9509, 0.3176,
0.5600

■ 69.7593, 0.3139,
0.5791

■ 68.9070, 0.3096,
0.5908

■ 68.7001, 0.3084,
0.5934

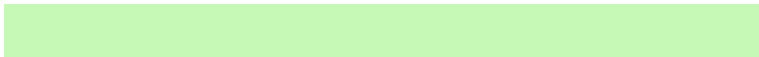
Harmonies

Analogous

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



83.1345, 0.3623, 0.4092



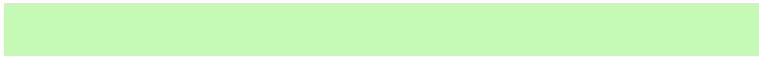
83.1345, 0.3191, 0.4044



83.1345, 0.2760, 0.3740

Triad

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



83.1345, 0.3191, 0.4044



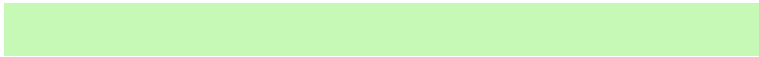
83.1345, 0.2365, 0.2641



83.1345, 0.3853, 0.3220

Complementary

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



83.1345, 0.3191, 0.4044



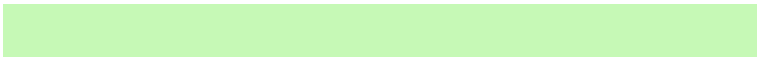
57.6271, 0.3034, 0.2593

Split Complementary

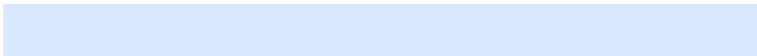
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1345, 0.3471, 0.2892



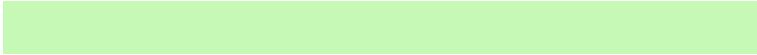
83.1345, 0.3191, 0.4044



83.1345, 0.2613, 0.2565

Square

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



83.1345, 0.3191, 0.4044



83.1345, 0.2305, 0.2896



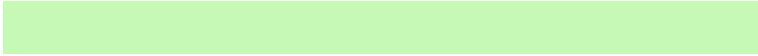
83.1345, 0.3011, 0.2659



83.1345, 0.4026, 0.3582

Rectangle

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



83.1345, 0.3191, 0.4044



83.1345, 0.2531, 0.3450



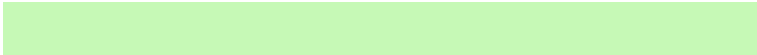
83.1345, 0.3011, 0.2659



83.1345, 0.3744, 0.3103

Sweetspot

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



83.1381, 0.3191, 0.4044



95.9258, 0.3148, 0.3493



81.3796, 0.3576, 0.3807



20.3769, 0.3152, 0.3533



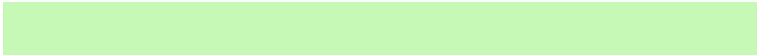
0.0000, 0.0000, 0.0000



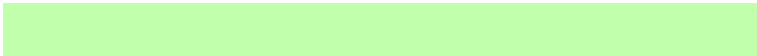
21.4041, 0.3127, 0.3290

Same Dimension

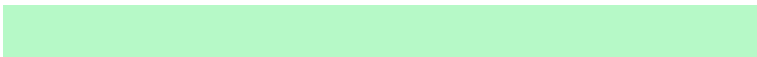
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1381, 0.3191, 0.4044



85.8685, 0.3200, 0.4209



81.8172, 0.2999, 0.3867



19.5087, 0.3152, 0.3533



36.8229, 0.3092, 0.5927



3.4569, 0.3171, 0.5864

Inverse Universe

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



57.6271, 0.3034, 0.2593



55.0192, 0.3011, 0.2454



59.4376, 0.3288, 0.2776



17.3041, 0.3100, 0.3054



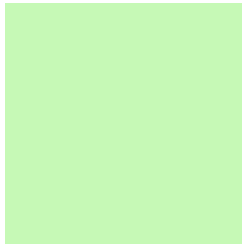
9.5684, 0.2612, 0.1213



0.9345, 0.2686, 0.1253

Previews

White Background



This preview shows how the Yxy color 83.1345, 0.3191, 0.4044 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 83.1345, 0.3191, 0.4044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

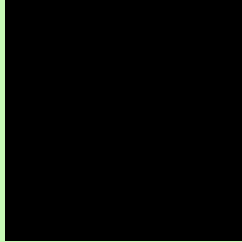
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

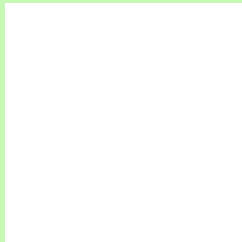
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1345, 0.3191, 0.4044

Background



This preview shows how black text looks on a background with the Yxy color 83.1345, 0.3191, 0.4044.

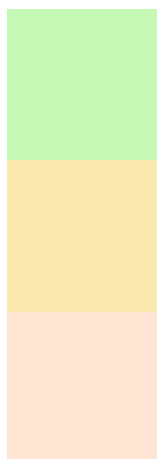


This preview shows how white text looks on a background with the Yxy color 83.1345, 0.3191, 0.4044.

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

83.1345, 0.3191, 0.4044

Protanopia

82.4500, 0.3633, 0.3893

Deuteranopia

82.6071, 0.3421, 0.3471



Tritanopia

82.6652, 0.2875, 0.3113

Trichromacy



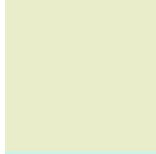
Original Color

83.1345, 0.3191, 0.4044



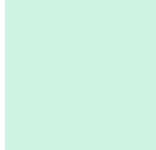
Protanomaly

82.1032, 0.3463, 0.3939



Deuteranomaly

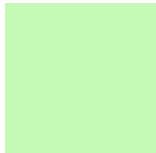
82.2778, 0.3334, 0.3669



Tritanomaly

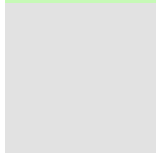
82.5156, 0.2992, 0.3441

Monochromacy



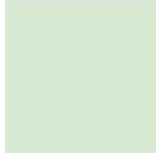
Original Color

83.1345, 0.3191, 0.4044



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 83.1345, 0.3191, 0.4044 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(198, 249, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 249, 182) }
```

Border

The CSS property to change the border of an element to Yxy 83.1345, 0.3191, 0.4044 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, 182) }
```

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

```
.border{ border-color:rgb(198, 249, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 249, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 249, 182);  
box-shadow:4px 4px 4px 4px rgb(198, 249,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1345, 0.3191, 0.4044 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, 182) }
```

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

```
.background{ background-color: rgb(198,  
249, 182) }
```

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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