

Converting Colors

$Yxy(83.3769, 0.3229, 0.4134)$

Have a look what the booklet for
Yxy(83.3769, 0.3229, 0.4134)
contains.

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Color

Yxy(83.4721, 0.3230, 0.4134)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | C6FAAF |
| RGB | 198, 250, 175 |
| RGB Percent | 78%, 98%, 69% |
| CMY | 0.2234, 0.0196, 0.3138 |
| CMYK | 0.21, 0.00, 0.30, 0.02 |
| HSL | 102°, 88%, 83% |
| HSV | 102°, 30%, 98% |
| XYZ | 65.2189, 83.4721, 53.2251 |
| YIQ | 225.9020, -6.9170, -34.3490 |

Conversions

Conversions Part 2

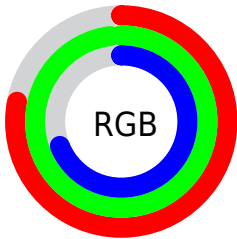
| Format | Color |
|-------------------------------------|--|
| RYB | 175, 250, 227 |
| Decimal | 13040303 |
| CIELab | 93.22, -29.77, 30.76 |
| CIElCh | 93, 42.808, 134.060 |
| Yxy | 83.4721, 0.3230, 0.4134 |
| Android (android.graphics.Color) | 4291230383 (0xFFC6FAAF) |
| YUV | 225.9020, -25.0947, -24.4701 |
| Hunter-Lab | 91.3631, -32.4644, 29.4138 |

Details

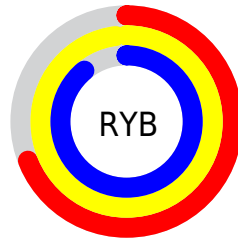
The Yxy color **83.4721, 0.3230, 0.4134** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.8800, 0.2980, 0.2499**, and the grayscale version is **76.1738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **45.3847, 0.3239, 0.4336** is the 20% darker color. If you saturate the color by 10%, you get **80.3617, 0.3254, 0.4457**, and if you desaturate by 10%, it is **87.0406, 0.3199, 0.3828**.

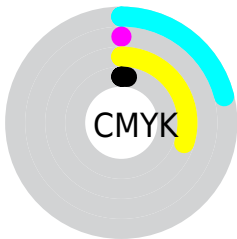
Distribution



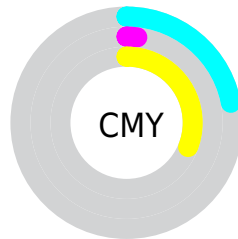
- Red (78%)
- Green (98%)
- Blue (69%)



- Red (69%)
- Yellow (98%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (30%)
- Black (2%)




- Cyan (22%)
- Magenta (2%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4721, 0.3230, 0.4134 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 83.4721, 0.3230, 0.4134 by changing the saturation by 10% instead.


 83.4721, 0.3230,
0.4134

 83.4721, 0.3230,
0.4134

506.5586, 0.3194,
0.3736

 62.5797, 0.3235,
0.4226


 138.2365, 0.3220,
0.3995

 45.5013, 0.3240,
0.4340


172.8772, 0.3215,
0.3941

 31.8524, 0.3243,
0.4486


212.8696, 0.3211,
0.3895

 21.2488, 0.3242,
0.4676

258.5979, 0.3207,
0.3855

 13.3060, 0.3233,
0.4934

310.4465, 0.3204,
0.3819

 7.6396, 0.3202,
0.5302


368.7999, 0.3200,


 3.8652, 0.3128,

0.3788

0.5885


434.0425, 0.3197,
0.3761


 1.5985, 0.2936,
0.7064

 0.3566, 0.0000,
1.0000


 83.4721, 0.3230,
0.4134


 83.4721, 0.3230,
0.4134


 80.3617, 0.3254,
0.4457

 87.0406, 0.3199,
0.3828

 77.6796, 0.3269,
0.4785

 91.0742, 0.3164,
0.3546

 75.4088, 0.3271,
0.5101

 95.5935, 0.3127,
0.3290

 73.5269, 0.3258,
0.5386

 96.8497, 0.3129,
0.3242

■ 72.0090, 0.3229,
0.5621

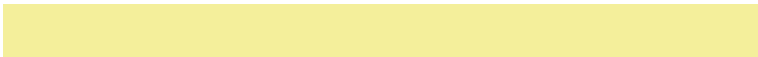
■ 70.8269, 0.3187,
0.5789

■ 69.9403, 0.3136,
0.5892

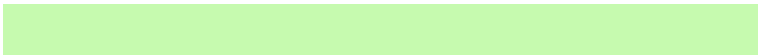
Harmonies

Analogous

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



83.4721, 0.3697, 0.4159



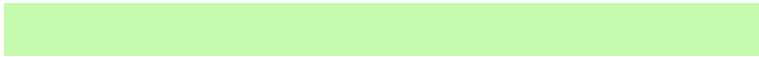
83.4721, 0.3230, 0.4134



83.4721, 0.2757, 0.3817

Triad

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



83.4721, 0.3230, 0.4134



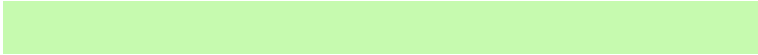
83.4721, 0.2288, 0.2597



83.4721, 0.3897, 0.3182

Complementary

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



83.4721, 0.3230, 0.4134



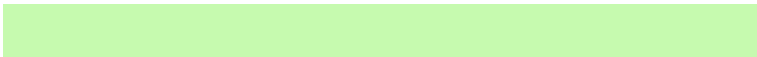
53.8800, 0.2980, 0.2499

Split Complementary

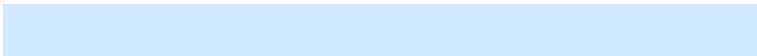
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4721, 0.3464, 0.2834



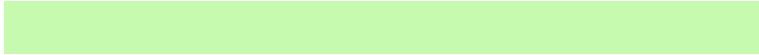
83.4721, 0.3230, 0.4134



83.4721, 0.2541, 0.2503

Square

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



83.4721, 0.3230, 0.4134



83.4721, 0.2238, 0.2884



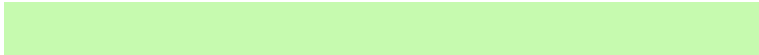
83.4721, 0.2962, 0.2593



83.4721, 0.4106, 0.3573

Rectangle

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



83.4721, 0.3230, 0.4134



83.4721, 0.2501, 0.3500



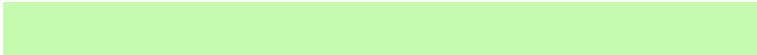
83.4721, 0.2962, 0.2593



83.4721, 0.3771, 0.3058

Sweetspot

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



83.4757, 0.3230, 0.4134



95.7177, 0.3160, 0.3519



77.9443, 0.3647, 0.3820



20.3477, 0.3166, 0.3558



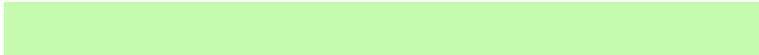
0.0000, 0.0000, 0.0000



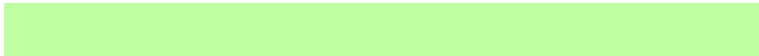
21.4041, 0.3127, 0.3290

Same Dimension

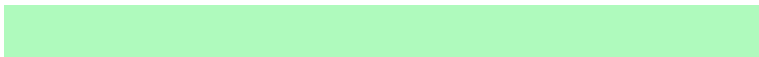
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4757, 0.3230, 0.4134



85.3013, 0.3246, 0.4327



81.1453, 0.3012, 0.4005



19.5678, 0.3162, 0.3532



37.1655, 0.3147, 0.5884



3.4954, 0.3234, 0.5814

Inverse Universe

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



53.8800, 0.2980, 0.2499



49.7820, 0.2941, 0.2332



57.0498, 0.3270, 0.2668



17.2413, 0.3089, 0.3053



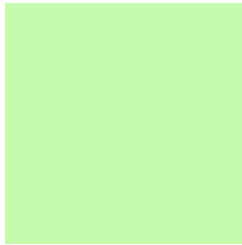
8.4633, 0.2444, 0.1120



0.8396, 0.2537, 0.1171

Previews

White Background



This preview shows how the Yxy color 83.4721, 0.3230, 0.4134 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 83.4721, 0.3230, 0.4134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

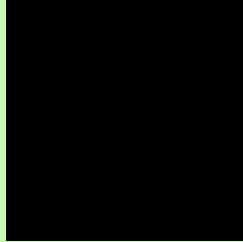
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

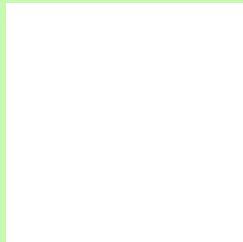
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4721, 0.3230, 0.4134

Background



This preview shows how black text looks on a background with the Yxy color 83.4721, 0.3230, 0.4134.

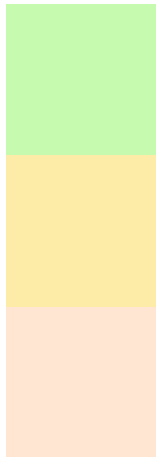


This preview shows how white text looks on a background with the Yxy color 83.4721, 0.3230, 0.4134.

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

83.4721, 0.3230, 0.4134

Protanopia

83.1265, 0.3690, 0.3969

Deuteranopia

82.5568, 0.3428, 0.3482



Tritanopia

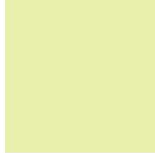
83.4001, 0.2882, 0.3124

Trichromacy



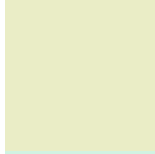
Original Color

83.4721, 0.3230, 0.4134



Protanomaly

82.5841, 0.3512, 0.4021



Deuteranomaly

82.1380, 0.3353, 0.3701



Tritanomaly

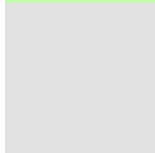
83.1475, 0.3010, 0.3473

Monochromacy



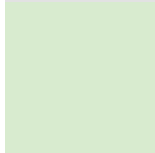
Original Color

83.4721, 0.3230, 0.4134



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.5206, 0.3173, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4721, 0.3230, 0.4134 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, 250, 175)` looks like.

```
.text, #text, p{  
    color:rgb(198, 250, 175)  
}
```

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, 250, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 250, 175) }
```

Border

The CSS property to change the border of an element to Yxy 83.4721, 0.3230, 0.4134 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, 250, 175) }
```

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

```
.border{ border-color:rgb(198, 250, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 250, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 250, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 250, 175);  
box-shadow:4px 4px 4px 4px rgb(198, 250,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4721, 0.3230, 0.4134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 250, 175) }
```

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

```
.background{ background-color: rgb(198,  
250, 175) }
```

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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