

Converting Colors

$Yxy(88.3334, 0.3123, 0.3903)$

Have a look what the booklet for
Yxy(88.3334, 0.3123, 0.3903)
contains.

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Color

Yxy(88.3400, 0.3123, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	CBFFC7
RGB	203, 255, 199
RGB Percent	80%, 100%, 78%
CMY	0.2038, 0.0000, 0.2196
CMYK	0.20, 0.00, 0.22, 0.00
HSL	116°, 100%, 89%
HSV	116°, 22%, 100%
XYZ	70.7037, 88.3400, 67.3530
YIQ	233.0680, -13.0160, -28.4400

Conversions

Conversions Part 2

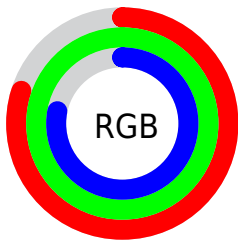
Format	Color
RYB	199, 255, 251
Decimal	13369287
CIELab	95.30, -26.72, 21.49
CIELCh	95, 34.289, 141.184
Yxy	88.3400, 0.3123, 0.3902
Android (android.graphics.Color)	4291559367 (0xFFCBFFC7)
YUV	233.0680, -16.7955, -26.3696
Hunter-Lab	93.9894, -30.2044, 23.3052

Details

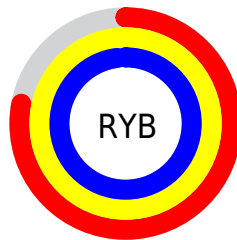
The Yxy color **88.3400, 0.3123, 0.3902** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.5655, 0.3123, 0.2737**, and the grayscale version is **81.6821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.7284, 0.3114, 0.4045** is the 20% darker color. If you saturate the color by 10%, you get **84.1839, 0.3117, 0.4231**, and if you desaturate by 10%, it is **93.2091, 0.3126, 0.3603**.

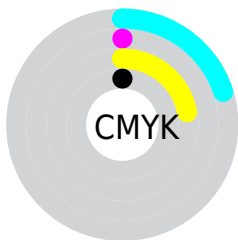
Distribution



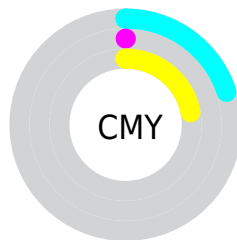
- Red (80%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (98%)



- Cyan (20%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.3400, 0.3123, 0.3902 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 88.3400, 0.3123, 0.3902 by changing the saturation by 10% instead.

 88.3400, 0.3123,
0.3902

 88.3400, 0.3123,
0.3902


522.6160, 0.3131,
0.3618

 66.6047, 0.3120,
0.3967


145.0304, 0.3127,
0.3803

 48.7634, 0.3115,
0.4047


180.7543, 0.3128,
0.3765

 34.4319, 0.3109,
0.4149


221.9098, 0.3129,
0.3732

 23.2256, 0.3098,
0.4282

268.8814, 0.3129,
0.3703

 14.7601, 0.3081,
0.4463

322.0534, 0.3130,
0.3678

 8.6512, 0.3049,
0.4721


381.8103, 0.3130,

 4.5144, 0.2986,

0.3655

0.5117


448.5363, 0.3130,
0.3636


 1.9653, 0.2946,
0.6008

 0.5872, 0.0000,
1.0000


 88.3400, 0.3123,
0.3902

 88.3400, 0.3123,
0.3902


 84.1839, 0.3117,
0.4231


 93.2091, 0.3126,
0.3603

 80.6966, 0.3109,
0.4581

 98.8104, 0.3127,
0.3338

 77.8465, 0.3096,
0.4936

 99.9989, 0.3127,
0.3290

 75.5950, 0.3081,
0.5275

■ 73.8993, 0.3062,
0.5569

■ 72.7107, 0.3042,
0.5794

■ 71.9723, 0.3023,
0.5934

■ 71.6514, 0.3011,
0.5991

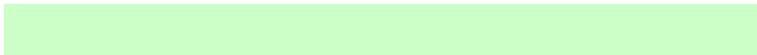
Harmonies

Analogous

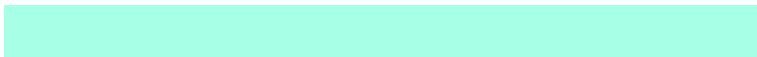
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3400, 0.3502, 0.3986



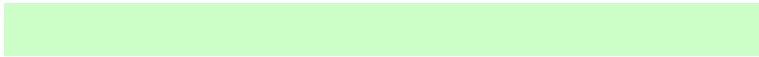
88.3400, 0.3123, 0.3902



88.3400, 0.2760, 0.3617

Triad

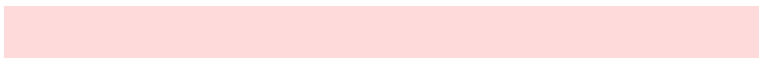
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.3400, 0.3123, 0.3902



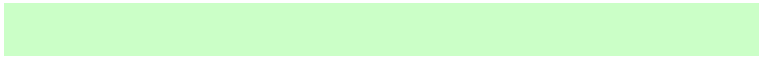
88.3400, 0.2490, 0.2708



88.3400, 0.3788, 0.3284

Complementary

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



88.3400, 0.3123, 0.3902



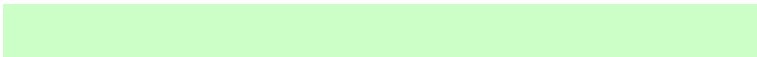
68.5655, 0.3123, 0.2737

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.



88.3400, 0.3485, 0.2988



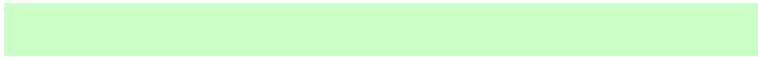
88.3400, 0.3123, 0.3902



88.3400, 0.2733, 0.2663

Square

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



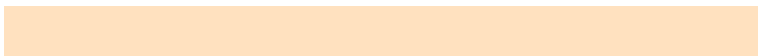
88.3400, 0.3123, 0.3902



88.3400, 0.2409, 0.2908



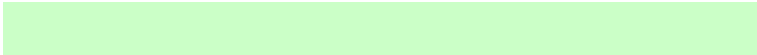
88.3400, 0.3093, 0.2766



88.3400, 0.3902, 0.3599

Rectangle

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



88.3400, 0.3123, 0.3902



88.3400, 0.2573, 0.3367



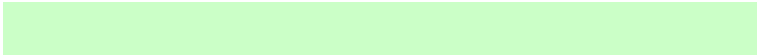
88.3400, 0.3093, 0.2766



88.3400, 0.3704, 0.3180

Sweetspot

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



88.3438, 0.3123, 0.3902



95.8963, 0.3127, 0.3467



93.9603, 0.3469, 0.3797



20.4537, 0.3127, 0.3484



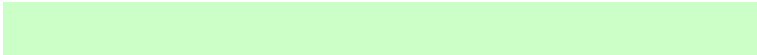
0.0000, 0.0000, 0.0000



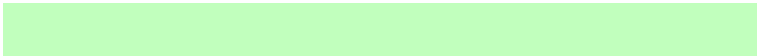
21.4041, 0.3127, 0.3290

Same Dimension

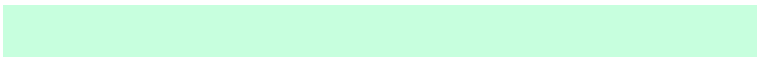
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.3438, 0.3123, 0.3902



86.5823, 0.3121, 0.4032



88.9519, 0.2971, 0.3643



20.2307, 0.3127, 0.3535



37.4625, 0.3015, 0.5988



3.6683, 0.3050, 0.5961

Inverse Universe

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



68.5655, 0.3123, 0.2737



63.8501, 0.3121, 0.2633



67.9111, 0.3323, 0.2962



18.2297, 0.3126, 0.3055



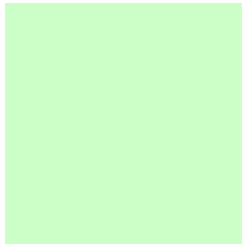
13.1725, 0.3028, 0.1442



1.3017, 0.3050, 0.1454

Previews

White Background



This preview shows how the Yxy color 88.3400, 0.3123, 0.3902 looks on a white background.

Color Contrast Check

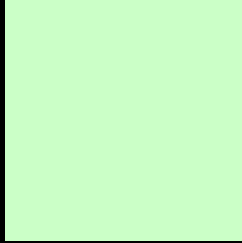
Large Text (above 18pt) WCAG AA × Fail

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 88.3400, 0.3123, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

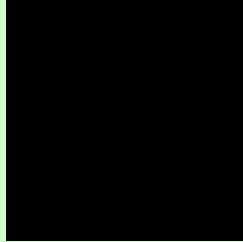
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

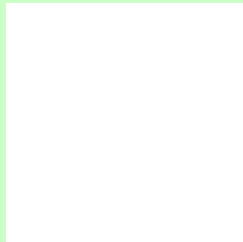
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.3400, 0.3123, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 88.3400, 0.3123, 0.3902.

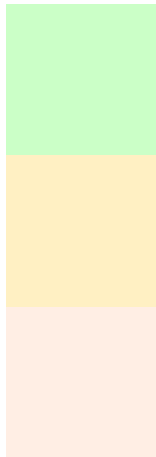


This preview shows how white text looks on a background with the Yxy color 88.3400, 0.3123, 0.3902.

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

88.3400, 0.3123, 0.3902

Protanopia

87.5203, 0.3516, 0.3741

Deuteranopia

88.0105, 0.3305, 0.3389



Tritanopia

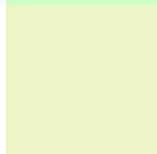
88.2523, 0.2956, 0.3179

Trichromacy



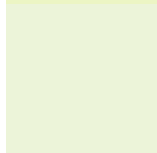
Original Color

88.3400, 0.3123, 0.3902



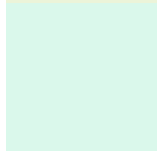
Protanomaly

87.1232, 0.3367, 0.3799



Deuteranomaly

87.5440, 0.3239, 0.3568



Tritanomaly

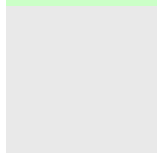
88.0384, 0.3014, 0.3425

Monochromacy



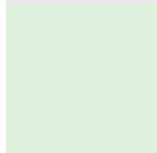
Original Color

88.3400, 0.3123, 0.3902



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.6606, 0.3124, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.3400, 0.3123, 0.3902 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(203, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 199)  
}
```

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(203, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 199) }
```

Border

The CSS property to change the border of an element to Yxy 88.3400, 0.3123, 0.3902 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(203, 255, 199) }
```

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

```
.border{ border-color:rgb(203, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 88.3400, 0.3123, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 199) }
```

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

```
.background{ background-color: rgb(203,  
255, 199) }
```

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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