

Converting Colors

$Yxy(96.8843, 0.3110, 0.3988)$

Have a look what the booklet for
Yxy(96.8843, 0.3110, 0.3988)
contains.

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Color

Yxy(88.7634, 0.3118, 0.3866)

Conversions

Conversions Part 1

Format	Color
Hex	CDFFCA
RGB	205, 255, 202
RGB Percent	80%, 100%, 79%
CMY	0.1963, 0.0000, 0.2078
CMYK	0.20, 0.00, 0.21, 0.00
HSL	117°, 100%, 90%
HSV	117°, 21%, 100%
XYZ	71.5893, 88.7634, 69.2474
YIQ	234.0080, -12.7870, -27.0830

Conversions

Conversions Part 2

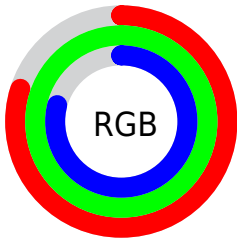
Format	Color
RYB	202, 255, 252
Decimal	13500362
CIELab	95.48, -25.60, 20.22
CIELCh	95, 32.619, 141.700
Yxy	88.7634, 0.3118, 0.3866
Android (android.graphics.Color)	4291690442 (0xFFCDDFFCA)
YUV	234.0080, -15.7799, -25.4400
Hunter-Lab	94.2143, -29.2408, 22.3720

Details

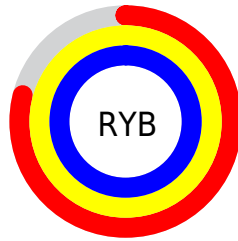
The Yxy color **88.7634, 0.3118, 0.3866** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.1776, 0.3130, 0.2768**, and the grayscale version is **82.4045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.0103, 0.3109, 0.3998** is the 20% darker color. If you saturate the color by 10%, you get **84.4827, 0.3110, 0.4193**, and if you desaturate by 10%, it is **93.7595, 0.3123, 0.3570**.

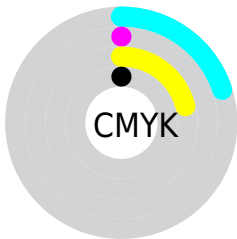
Distribution



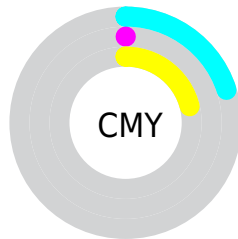
- Red (80%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (99%)



- Cyan (20%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.7634, 0.3118, 0.3866 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 88.7634, 0.3118, 0.3866 by changing the saturation by 10% instead.


 88.7634, 0.3118,
0.3866

 88.7634, 0.3118,
0.3866

524.0000, 0.3127,
0.3599

 66.9555, 0.3115,
0.3927


145.6195, 0.3122,
0.3773

 49.0484, 0.3110,
0.4002


181.4365, 0.3123,
0.3737

 34.6579, 0.3103,
0.4097


222.6919, 0.3124,
0.3706

 23.3995, 0.3093,
0.4222

269.7702, 0.3125,
0.3679

 14.8888, 0.3076,
0.4390

323.0558, 0.3126,
0.3656

 8.7413, 0.3047,
0.4631

382.9330, 0.3126,

 4.5729, 0.2990,

0.3635

0.5001

449.7863, 0.3127,
0.3616

1.9989, 0.2927,
0.5766

0.6068, 0.0000,
1.0000

88.7634, 0.3118,
0.3866

88.7634, 0.3118,
0.3866

84.4827, 0.3110,
0.4193

93.7595, 0.3123,
0.3570

80.9008, 0.3100,
0.4542

99.5199, 0.3127,
0.3309

77.9754, 0.3087,
0.4900

100.0000, 0.3127,
0.3290

75.6666, 0.3071,
0.5243

■ 73.9301, 0.3054,
0.5544

■ 72.7160, 0.3036,
0.5778

■ 71.9652, 0.3019,
0.5927

■ 71.6144, 0.3008,
0.5994

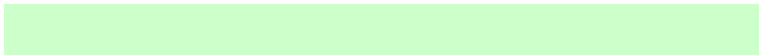
Harmonies

Analogous

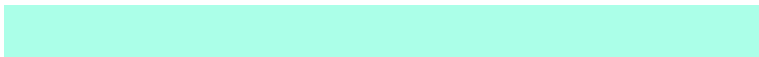
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7634, 0.3479, 0.3950



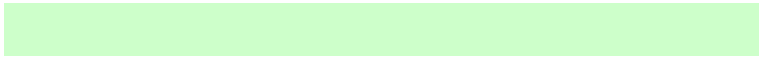
88.7634, 0.3118, 0.3866



88.7634, 0.2773, 0.3594

Triad

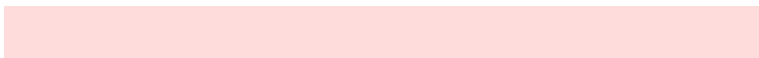
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.7634, 0.3118, 0.3866



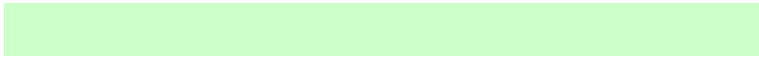
88.7634, 0.2523, 0.2734



88.7634, 0.3758, 0.3291

Complementary

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



88.7634, 0.3118, 0.3866



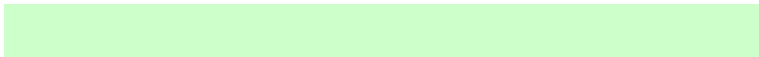
70.1776, 0.3130, 0.2768

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.



88.7634, 0.3473, 0.3007



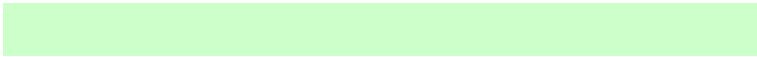
88.7634, 0.3118, 0.3866



88.7634, 0.2757, 0.2693

Square

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



88.7634, 0.3118, 0.3866



88.7634, 0.2443, 0.2924



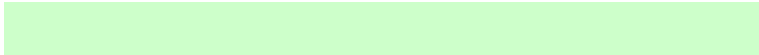
88.7634, 0.3102, 0.2793



88.7634, 0.3862, 0.3591

Rectangle

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



88.7634, 0.3118, 0.3866



88.7634, 0.2596, 0.3357



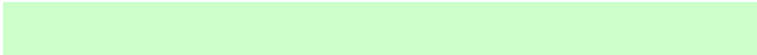
88.7634, 0.3102, 0.2793



88.7634, 0.3680, 0.3192

Sweetspot

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



88.7577, 0.3118, 0.3866



96.4147, 0.3125, 0.3441



94.8122, 0.3448, 0.3778



20.5568, 0.3125, 0.3458



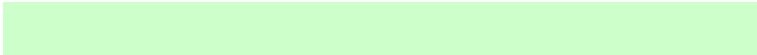
0.0000, 0.0000, 0.0000



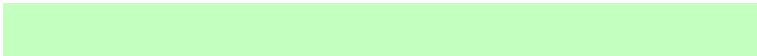
21.4041, 0.3127, 0.3290

Same Dimension

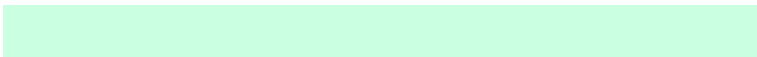
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7577, 0.3118, 0.3866



86.8656, 0.3115, 0.4000



89.5142, 0.2974, 0.3612



20.2161, 0.3124, 0.3535



37.4391, 0.3011, 0.5991



3.6614, 0.3038, 0.5970

Inverse Universe

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



70.1776, 0.3130, 0.2768



65.1872, 0.3130, 0.2660



69.3385, 0.3317, 0.2989



18.2461, 0.3129, 0.3055



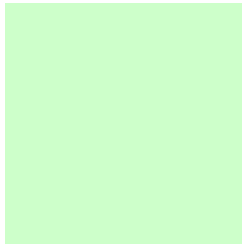
13.5549, 0.3071, 0.1465



1.3348, 0.3087, 0.1474

Previews

White Background



This preview shows how the Yxy color 88.7634, 0.3118, 0.3866 looks on a white background.

Color Contrast Check

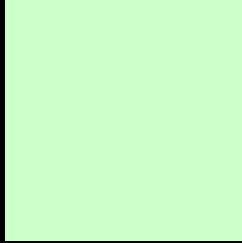
Large Text (above 18pt) WCAG AA × Fail

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 88.7634, 0.3118, 0.3866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

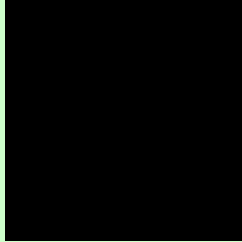
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

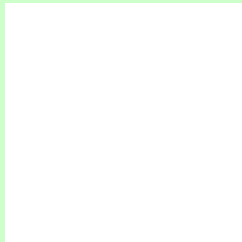
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.7634, 0.3118, 0.3866

Background



This preview shows how black text looks on a background with the Yxy color 88.7634, 0.3118, 0.3866.

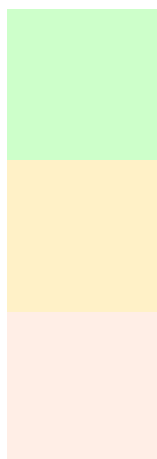


This preview shows how white text looks on a background with the Yxy color 88.7634, 0.3118, 0.3866.

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

88.7634, 0.3118, 0.3866

Protanopia

88.2941, 0.3488, 0.3710

Deuteranopia

88.1222, 0.3292, 0.3369



Tritanopia

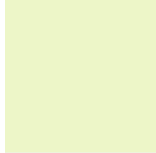
88.4153, 0.2962, 0.3179

Trichromacy



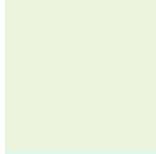
Original Color

88.7634, 0.3118, 0.3866



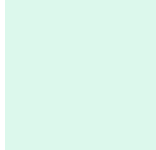
Protanomaly

88.0862, 0.3348, 0.3766



Deuteranomaly

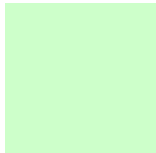
87.8732, 0.3227, 0.3536



Tritanomaly

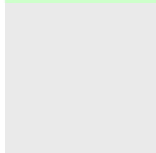
88.4066, 0.3021, 0.3414

Monochromacy



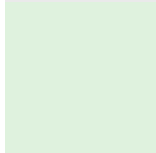
Original Color

88.7634, 0.3118, 0.3866



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.4662, 0.3124, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.7634, 0.3118, 0.3866 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(205, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 202)  
}
```

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(205, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 202) }
```

Border

The CSS property to change the border of an element to Yxy 88.7634, 0.3118, 0.3866 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(205, 255, 202) }
```

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

```
.border{ border-color:rgb(205, 255, 202) }
```

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

Here you see how a box with a 4 pixel rgb(205, 255, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 88.7634, 0.3118, 0.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 202) }
```

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

```
.background{ background-color: rgb(205,  
255, 202) }
```

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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