

Converting Colors

Yxy(87.9813, 0.3059, 0.3819)

Have a look what the booklet for
Yxy(87.9813, 0.3059, 0.3819)
contains.

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Color

Yxy(88.1183, 0.3060, 0.3827)

Conversions

Conversions Part 1

Format	Color
Hex	C7FFCE
RGB	199, 255, 206
RGB Percent	78%, 100%, 81%
CMY	0.2195, 0.0000, 0.1922
CMYK	0.22, 0.00, 0.19, 0.00
HSL	127°, 100%, 89%
HSV	127°, 22%, 100%
XYZ	70.4578, 88.1183, 71.6781
YIQ	232.6700, -17.6470, -27.1110

Conversions

Conversions Part 2

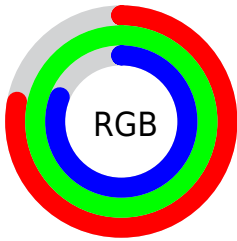
Format	Color
RYB	199, 249, 255
Decimal	13107150
CIELab	95.21, -26.84, 17.76
CIElCh	95, 32.185, 146.508
Yxy	88.1183, 0.3060, 0.3827
Android (android.graphics.Color)	4291297230 (0xFFC7FFCE)
YUV	232.6700, -13.1483, -29.5286
Hunter-Lab	93.8713, -30.2966, 20.4374

Details

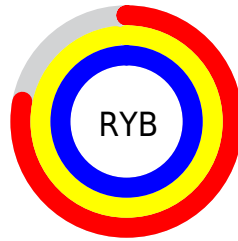
The Yxy color **88.1183, 0.3060, 0.3827** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.9003, 0.3202, 0.2806**, and the grayscale version is **81.3402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.5845, 0.3036, 0.3948** is the 20% darker color. If you saturate the color by 10%, you get **83.9110, 0.3030, 0.4119**, and if you desaturate by 10%, it is **93.0711, 0.3091, 0.3564**.

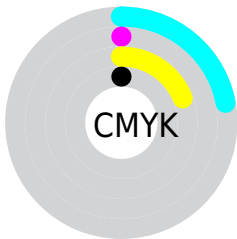
Distribution



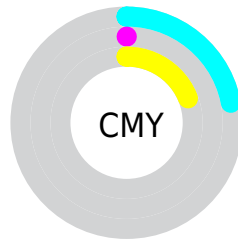
- Red (78%)
- Green (100%)
- Blue (81%)



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



- Cyan (22%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.1183, 0.3060, 0.3827 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 88.1183, 0.3060, 0.3827 by changing the saturation by 10% instead.


 88.1183, 0.3060,
0.3827

 88.1183, 0.3060,
0.3827


521.8906, 0.3095,
0.3578

 66.4210, 0.3051,
0.3884


144.7218, 0.3073,
0.3740

 48.6143, 0.3040,
0.3954


180.3969, 0.3077,
0.3707

 34.3136, 0.3025,
0.4044


221.5001, 0.3081,
0.3678

 23.1346, 0.3005,
0.4160

268.4157, 0.3085,
0.3653

 14.6929, 0.2975,
0.4319

321.5281, 0.3088,
0.3631

 8.6042, 0.2929,
0.4547

381.2218, 0.3090,

 4.4839, 0.2849,

0.3611

0.4900

447.8812, 0.3093,
0.3594

■ 1.9478, 0.2721,
0.5582

■ 0.5769, 0.0000,
1.0000

■ 88.1183, 0.3060,
0.3827

■ 88.1183, 0.3060,
0.3827

■ 83.9110, 0.3030,
0.4119

■ 93.0711, 0.3091,
0.3564

■ 80.4034, 0.3002,
0.4433

■ 98.7922, 0.3121,
0.3332

■ 77.5603, 0.2978,
0.4761

■ 100.0000, 0.3127,
0.3290

■ 75.3395, 0.2962,
0.5084

■ 73.6939, 0.2954,
0.5383

■ 72.5695, 0.2956,
0.5636

■ 71.9019, 0.2967,
0.5824

■ 71.6227, 0.2979,
0.5924

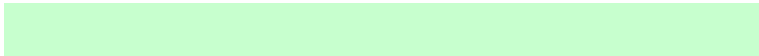
Harmonies

Analogous

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



88.1183, 0.3421, 0.3944



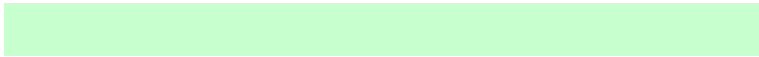
88.1183, 0.3060, 0.3827



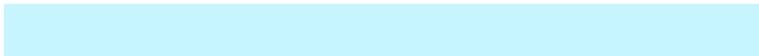
88.1183, 0.2730, 0.3536

Triad

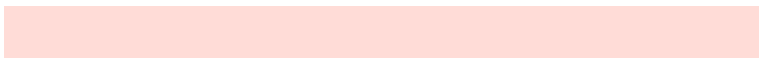
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.1183, 0.3060, 0.3827



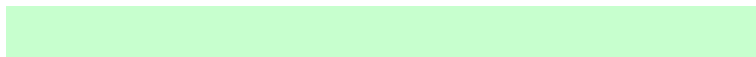
88.1183, 0.2557, 0.2723



88.1183, 0.3782, 0.3340

Complementary

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



88.1183, 0.3060, 0.3827



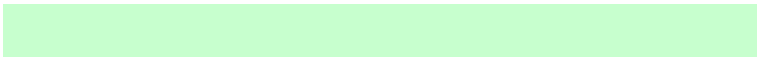
68.9003, 0.3202, 0.2806

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.



88.1183, 0.3523, 0.3051



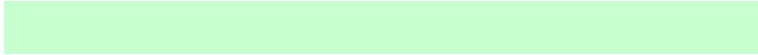
88.1183, 0.3060, 0.3827



88.1183, 0.2810, 0.2706

Square

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



88.1183, 0.3060, 0.3827



88.1183, 0.2452, 0.2889



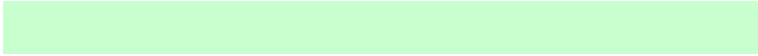
88.1183, 0.3162, 0.2825



88.1183, 0.3851, 0.3633

Rectangle

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



88.1183, 0.3060, 0.3827



88.1183, 0.2569, 0.3300



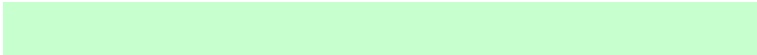
88.1183, 0.3162, 0.2825



88.1183, 0.3713, 0.3240

Sweetspot

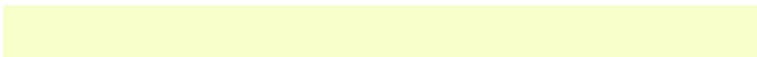
The Sweet Spot groups the original color and five complimentary colors.



88.1217, 0.3060, 0.3827



95.8042, 0.3106, 0.3445



95.6874, 0.3416, 0.3848



20.4325, 0.3104, 0.3460



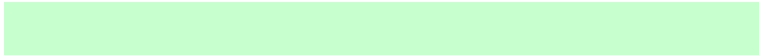
0.0000, 0.0000, 0.0000



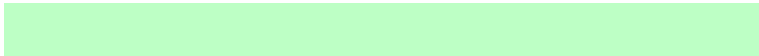
21.4041, 0.3127, 0.3290

Same Dimension

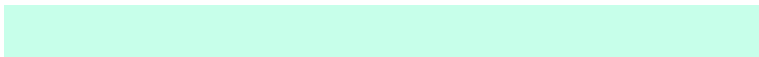
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.1217, 0.3060, 0.3827



86.3291, 0.3048, 0.3942



89.5805, 0.2911, 0.3519



20.2049, 0.3098, 0.3505



37.4358, 0.2974, 0.5908



3.6560, 0.2932, 0.5754

Inverse Universe

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



68.9003, 0.3202, 0.2806



64.2267, 0.3218, 0.2715



67.3134, 0.3408, 0.3073



18.2592, 0.3157, 0.3084



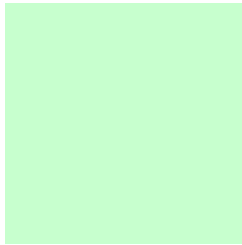
13.9164, 0.3551, 0.1730



1.3654, 0.3506, 0.1705

Previews

White Background



This preview shows how the Yxy color 88.1183, 0.3060, 0.3827 looks on a white background.

Color Contrast Check

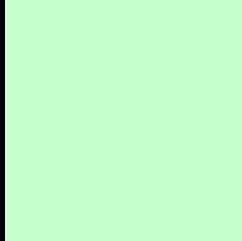
Large Text (above 18pt) WCAG AA × Fail

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 88.1183, 0.3060, 0.3827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

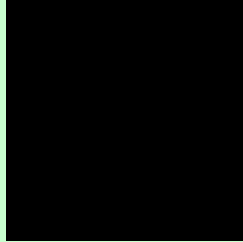
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

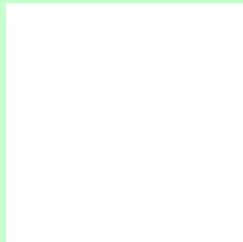
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.1183, 0.3060, 0.3827

Background



This preview shows how black text looks on a background with the Yxy color 88.1183, 0.3060, 0.3827.

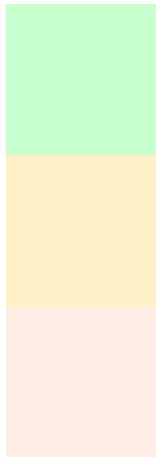


This preview shows how white text looks on a background with the Yxy color 88.1183, 0.3060, 0.3827.

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

88.1183, 0.3060, 0.3827

Protanopia

87.5145, 0.3483, 0.3701

Deuteranopia

87.4855, 0.3299, 0.3369



Tritanopia

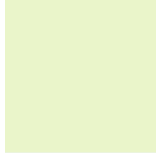
87.7687, 0.2938, 0.3178

Trichromacy



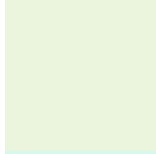
Original Color

88.1183, 0.3060, 0.3827



Protanomaly

87.0615, 0.3316, 0.3738



Deuteranomaly

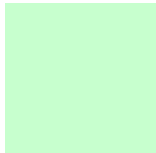
87.5840, 0.3208, 0.3526



Tritanomaly

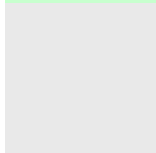
87.6963, 0.2985, 0.3405

Monochromacy



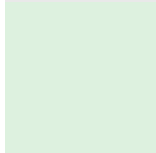
Original Color

88.1183, 0.3060, 0.3827



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.6105, 0.3105, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.1183, 0.3060, 0.3827 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(199, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 206)  
}
```

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(199, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 88.1183, 0.3060, 0.3827 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(199, 255, 206) }
```

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

```
.border{ border-color:rgb(199, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 88.1183, 0.3060, 0.3827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 206) }
```

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

```
.background{ background-color: rgb(199,  
255, 206) }
```

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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