

Converting Colors

$Y_{xy}(100.0000, 0.3046, 0.3975)$

Have a look what the booklet for
Yxy(100.0000, 0.3046, 0.3975)
contains.

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Color

Yxy(88.2162, 0.3049, 0.3804)

Conversions

Conversions Part 1

Format	Color
Hex	C7FFD0
RGB	199, 255, 208
RGB Percent	78%, 100%, 82%
CMY	0.2194, 0.0000, 0.1843
CMYK	0.22, 0.00, 0.18, 0.00
HSL	130°, 100%, 89%
HSV	130°, 22%, 100%
XYZ	70.7075, 88.2162, 72.9801
YIQ	232.8980, -18.2890, -26.4890

Conversions

Conversions Part 2

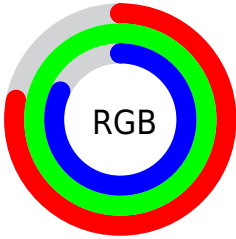
Format	Color
RYB	199, 247, 255
Decimal	13107152
CIELab	95.25, -26.48, 16.78
CIELCh	95, 31.355, 147.636
Yxy	88.2162, 0.3049, 0.3804
Android (android.graphics.Color)	4291297232 (0xFFC7FFD0)
YUV	232.8980, -12.2747, -29.7285
Hunter-Lab	93.9235, -29.9877, 19.6771

Details

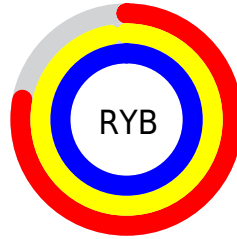
The Yxy color **88.2162, 0.3049, 0.3804** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.7819, 0.3217, 0.2825**, and the grayscale version is **81.5177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.6506, 0.3023, 0.3918** is the 20% darker color. If you saturate the color by 10%, you get **84.0343, 0.3014, 0.4083**, and if you desaturate by 10%, it is **93.1324, 0.3085, 0.3553**.

Distribution



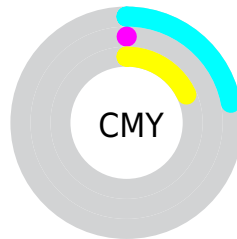
- Red (78%)
- Green (100%)
- Blue (82%)



- Red (78%)
- Yellow (97%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.2162, 0.3049, 0.3804 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 88.2162, 0.3049, 0.3804 by changing the saturation by 10% instead.


 88.2162, 0.3049,
0.3804

 88.2162, 0.3049,
0.3804


522.2110, 0.3088,
0.3566

 66.5021, 0.3039,
0.3858

144.8581, 0.3063,
0.3721

 48.6801, 0.3027,
0.3926

180.5548, 0.3068,
0.3689

 34.3658, 0.3011,
0.4011


221.6810, 0.3073,
0.3662

 23.1748, 0.2989,
0.4122

268.6214, 0.3077,
0.3637

 14.7226, 0.2958,
0.4274

321.7601, 0.3080,
0.3616

 8.6249, 0.2910,
0.4491

381.4817, 0.3083,

 4.4974, 0.2828,

0.3598

0.4828

448.1705, 0.3086,
0.3581

■ 1.9555, 0.2689,
0.5456

■ 0.5814, 0.0000,
1.0000

■ 88.2162, 0.3049,
0.3804

■ 88.2162, 0.3049,
0.3804

■ 84.0343, 0.3014,
0.4083

■ 93.1324, 0.3085,
0.3553

■ 80.5406, 0.2983,
0.4385

■ 98.8040, 0.3120,
0.3330

■ 77.7013, 0.2957,
0.4701

■ 99.9973, 0.3127,
0.3290

■ 75.4751, 0.2939,
0.5016

■ 73.8160, 0.2932,
0.5312

■ 72.6714, 0.2936,
0.5569

■ 71.9784, 0.2951,
0.5769

■ 71.6764, 0.2967,
0.5882

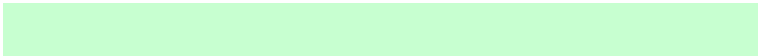
Harmonies

Analogous

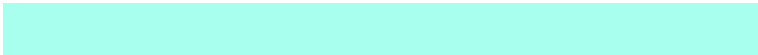
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2162, 0.3402, 0.3925



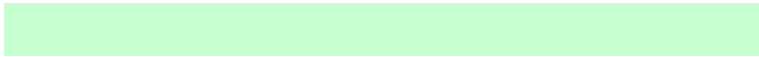
88.2162, 0.3049, 0.3804



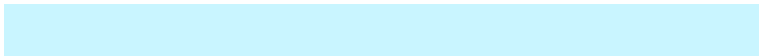
88.2162, 0.2730, 0.3517

Triad

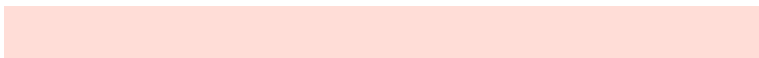
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.2162, 0.3049, 0.3804



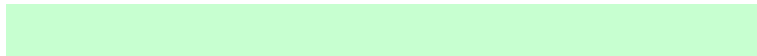
88.2162, 0.2578, 0.2734



88.2162, 0.3770, 0.3350

Complementary

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



88.2162, 0.3049, 0.3804



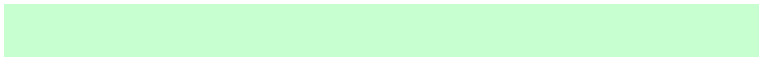
68.7819, 0.3217, 0.2825

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.



88.2162, 0.3525, 0.3067



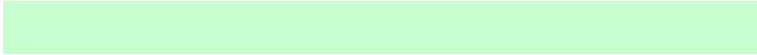
88.2162, 0.3049, 0.3804



88.2162, 0.2830, 0.2722

Square

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



88.2162, 0.3049, 0.3804



88.2162, 0.2469, 0.2891



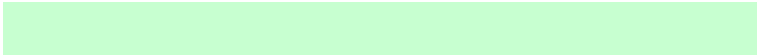
88.2162, 0.3175, 0.2843



88.2162, 0.3831, 0.3635

Rectangle

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



88.2162, 0.3049, 0.3804



88.2162, 0.2576, 0.3287



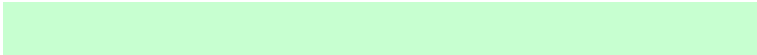
88.2162, 0.3175, 0.2843



88.2162, 0.3706, 0.3253

Sweetspot

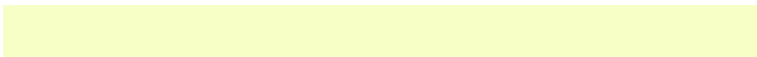
The Sweet Spot groups the original color and five complimentary colors.



88.2199, 0.3049, 0.3804



95.8422, 0.3102, 0.3439



95.3449, 0.3404, 0.3850



20.4413, 0.3100, 0.3452



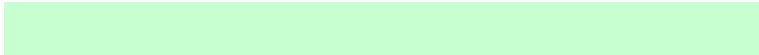
0.0000, 0.0000, 0.0000



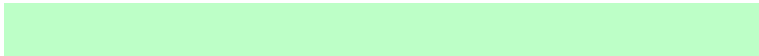
21.4041, 0.3127, 0.3290

Same Dimension

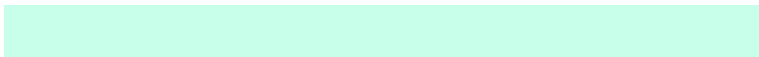
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.2199, 0.3049, 0.3804



86.4391, 0.3035, 0.3914



89.6874, 0.2901, 0.3498



20.2156, 0.3094, 0.3496



37.4678, 0.2962, 0.5863



3.6610, 0.2913, 0.5687

Inverse Universe

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



68.7819, 0.3217, 0.2825



64.0808, 0.3236, 0.2737



67.2211, 0.3422, 0.3091



18.2474, 0.3163, 0.3093



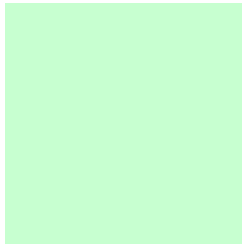
13.6681, 0.3662, 0.1791



1.3436, 0.3602, 0.1758

Previews

White Background



This preview shows how the Yxy color 88.2162, 0.3049, 0.3804 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 88.2162, 0.3049, 0.3804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

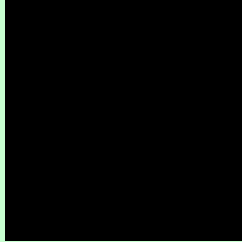
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.2162, 0.3049, 0.3804

Background



This preview shows how black text looks on a background with the Yxy color 88.2162, 0.3049, 0.3804.

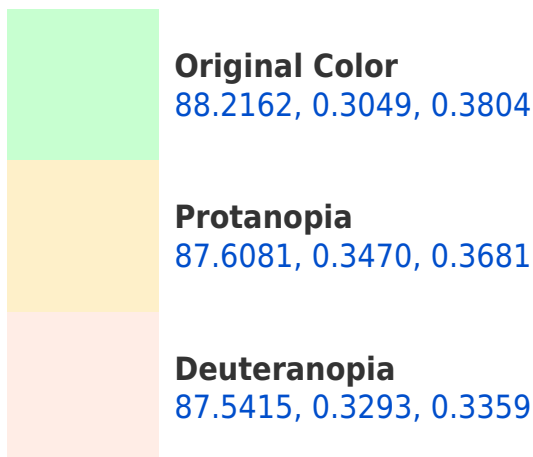


This preview shows how white text looks on a background with the Yxy color 88.2162, 0.3049, 0.3804.

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





Tritanopia

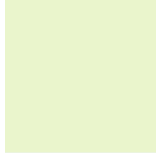
87.9289, 0.2944, 0.3178

Trichromacy



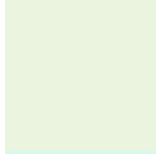
Original Color

88.2162, 0.3049, 0.3804



Protanomaly

87.1569, 0.3304, 0.3717



Deuteranomaly

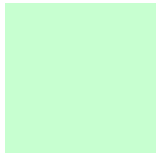
87.6375, 0.3201, 0.3516



Tritanomaly

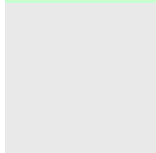
87.9068, 0.2985, 0.3394

Monochromacy



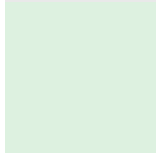
Original Color

88.2162, 0.3049, 0.3804



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.6646, 0.3099, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.2162, 0.3049, 0.3804 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 208) }
```

Border

The CSS property to change the border of an element to Yxy 88.2162, 0.3049, 0.3804 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, 208) }
```

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

```
.border{ border-color:rgb(199, 255, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 88.2162, 0.3049, 0.3804 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, 208) }
```

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

```
.background{ background-color: rgb(199,  
255, 208) }
```

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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