

# Converting Colors

Yxy(111.2459, 0.3023, 0.4082)

Have a look what the booklet for  
Yxy(111.2459, 0.3023, 0.4082)  
contains.

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# Color

**Yxy(88.2289, 0.3026, 0.3771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6FFD3
RGB	198, 255, 211
RGB Percent	78%, 100%, 83%
CMY	0.2237, 0.0000, 0.1725
CMYK	0.22, 0.00, 0.17, 0.00
HSL	134°, 100%, 89%
HSV	134°, 22%, 100%
XYZ	70.7984, 88.2289, 74.9396
YIQ	232.9410, -19.8480, -25.7680

# Conversions

## Conversions Part 2

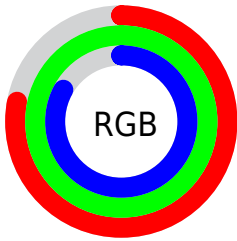
Format	Color
<a href="#">RYB</a>	<a href="#">198, 244, 255</a>
Decimal	<a href="#">13041619</a>
CIELab	<a href="#">95.26, -26.31, 15.24</a>
CIElCh	<a href="#">95, 30.408, 149.921</a>
Yxy	<a href="#">88.2289, 0.3026, 0.3771</a>
Android (android.graphics.Color)	<a href="#">4291231699 (0xFFC6FFD3)</a>
YUV	<a href="#">232.9410, -10.8169, -30.6433</a>
Hunter-Lab	<a href="#">93.9302, -29.8365, 18.4483</a>

# Details

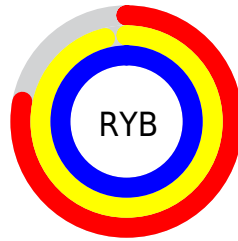
The Yxy color **88.2289, 0.3026, 0.3771** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.0315, 0.3247, 0.2853**, and the grayscale version is **81.5221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.6281, 0.3002, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **84.1193, 0.2983, 0.4027**, and if you desaturate by 10%, it is **93.0309, 0.3071, 0.3540**.

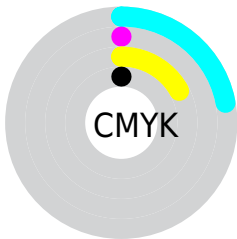
# Distribution



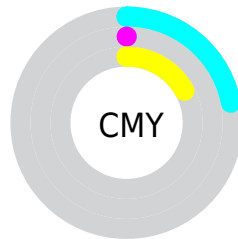
- Red (78%)
- Green (100%)
- Blue (83%)



- Red (78%)
- Yellow (96%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.2289, 0.3026, 0.3771 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 88.2289, 0.3026, 0.3771 by changing the saturation by 10% instead.



 88.2289, 0.3026,  
0.3771

 88.2289, 0.3026,  
0.3771

522.2525, 0.3075,  
0.3548

 66.5127, 0.3014,  
0.3822


144.8758, 0.3043,  
0.3694

 48.6887, 0.3000,  
0.3885

180.5752, 0.3050,  
0.3664

 34.3726, 0.2981,  
0.3964


221.7045, 0.3056,  
0.3638

 23.1800, 0.2955,  
0.4068

268.6480, 0.3061,  
0.3615

 14.7265, 0.2920,  
0.4209

321.7902, 0.3065,  
0.3596

 8.6276, 0.2866,  
0.4412

381.5154, 0.3069,

 4.4991, 0.2778,

0.3578

0.4726

448.2081, 0.3072,  
0.3562

■ 1.9565, 0.2619,  
0.5289

■ 0.5820, 0.0000,  
1.0000

■ 88.2289, 0.3026,  
0.3771

■ 88.2289, 0.3026,  
0.3771

■ 84.1193, 0.2983,  
0.4027

■ 93.0309, 0.3071,  
0.3540


■ 80.6857, 0.2945,  
0.4305


■ 98.5737, 0.3116,  
0.3335

■ 77.8862, 0.2915,  
0.4597


■ 100.0000, 0.3127,  
0.3290

■ 75.6808, 0.2895,  
0.4893

 74.0252, 0.2888,  
0.5178

 72.8685, 0.2895,  
0.5435

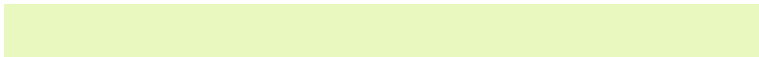
 72.1497, 0.2916,  
0.5648

 71.8299, 0.2938,  
0.5776

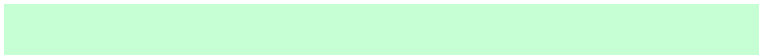
# Harmonies

## Analogous

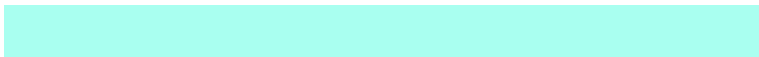
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2289, 0.3369, 0.3903



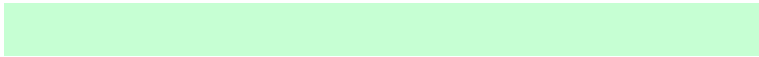
88.2289, 0.3026, 0.3771



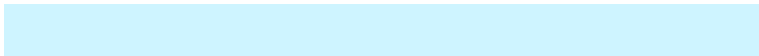
88.2289, 0.2722, 0.3486

# Triad

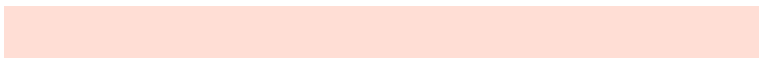
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.2289, 0.3026, 0.3771



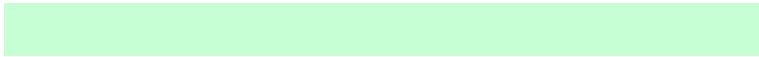
88.2289, 0.2608, 0.2745



88.2289, 0.3762, 0.3371

# Complementary

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



88.2289, 0.3026, 0.3771



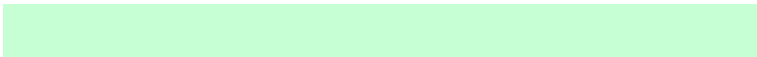
68.0315, 0.3247, 0.2853

# 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.



88.2289, 0.3536, 0.3094



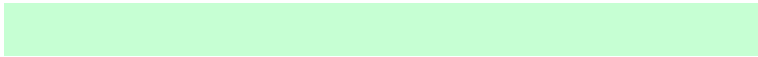
88.2289, 0.3026, 0.3771



88.2289, 0.2862, 0.2743

# Square

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



88.2289, 0.3026, 0.3771



88.2289, 0.2491, 0.2887



88.2289, 0.3201, 0.2869

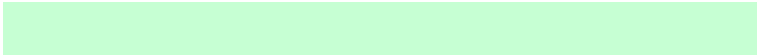


88.2289, 0.3805, 0.3645



# Rectangle

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



88.2289, 0.3026, 0.3771



88.2289, 0.2579, 0.3262



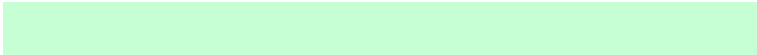
88.2289, 0.3201, 0.2869



88.2289, 0.3704, 0.3276

# Sweetspot

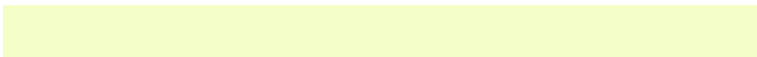
The Sweet Spot groups the original color and five complimentary colors.



88.2232, 0.3026, 0.3771



95.9156, 0.3095, 0.3427



94.5854, 0.3384, 0.3866



20.4582, 0.3093, 0.3439



0.0000, 0.0000, 0.0000

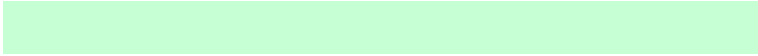


21.4041, 0.3127, 0.3290

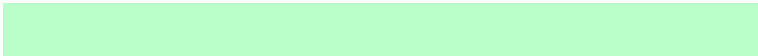


# Same Dimension

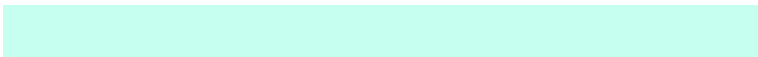
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.2232, 0.3026, 0.3771



86.2387, 0.3006, 0.3886



89.7412, 0.2877, 0.3461



20.2363, 0.3084, 0.3478



37.5513, 0.2931, 0.5751



3.6720, 0.2874, 0.5546



# Inverse Universe

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



68.0315, 0.3247, 0.2853



62.6863, 0.3277, 0.2760



66.4859, 0.3459, 0.3126



18.2250, 0.3173, 0.3109



13.2288, 0.3891, 0.1917

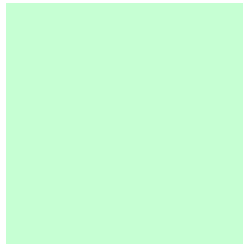


1.3046, 0.3797, 0.1865



# Previews

## White Background



This preview shows how the Yxy color 88.2289, 0.3026, 0.3771 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 88.2289, 0.3026, 0.3771 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

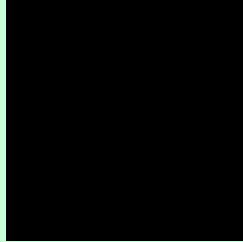
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

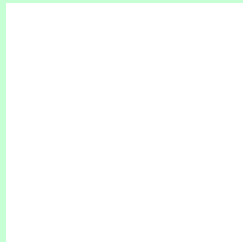
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.2289, 0.3026, 0.3771**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.2289, 0.3026, 0.3771.

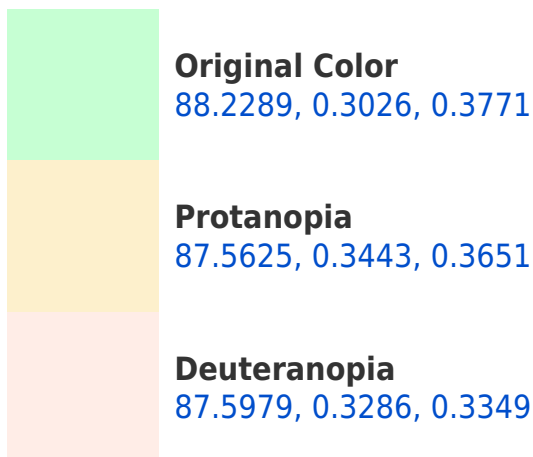


This preview shows how white text looks on a background with the Yxy color 88.2289, 0.3026, 0.3771.

# 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

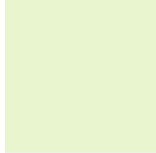
87.7687, 0.2938, 0.3178

# Trichromacy



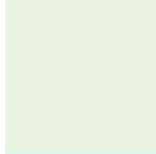
## Original Color

88.2289, 0.3026, 0.3771



## Protanomaly

87.1334, 0.3279, 0.3686



## Deuteranomaly

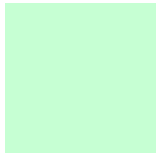
87.5756, 0.3183, 0.3496



## Tritanomaly

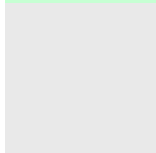
87.8139, 0.2974, 0.3384

# Monochromacy



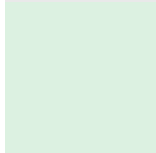
## Original Color

88.2289, 0.3026, 0.3771



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.5625, 0.3087, 0.3459

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.2289, 0.3026, 0.3771 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, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 211)  
}
```

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, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 88.2289, 0.3026, 0.3771 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, 255, 211) }
```

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

```
.border{ border-color:rgb(198, 255, 211) }
```

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

Here you see how a box with a 4 pixel rgb(198, 255, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.2289, 0.3026, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 211) }
```

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

```
.background{ background-color: rgb(198,  
255, 211) }
```

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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