

# Converting Colors

Yxy(113.6862, 0.3015, 0.4111)

Have a look what the booklet for  
Yxy(113.6862, 0.3015, 0.4111)  
contains.

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# Color

**Yxy(88.0935, 0.3020, 0.3772)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5FFD3
RGB	197, 255, 211
RGB Percent	77%, 100%, 83%
CMY	0.2277, 0.0000, 0.1725
CMYK	0.23, 0.00, 0.17, 0.00
HSL	135°, 100%, 89%
HSV	135°, 23%, 100%
XYZ	70.5309, 88.0935, 74.9215
YIQ	232.6420, -20.4440, -25.9800

# Conversions

## Conversions Part 2

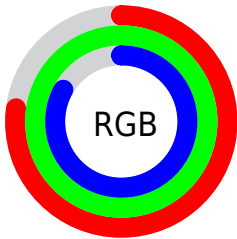
Format	Color
<a href="#">RYB</a>	<a href="#">197, 244, 255</a>
Decimal	<a href="#">12976083</a>
CIELab	<a href="#">95.20, -26.64, 15.16</a>
CIELCh	<a href="#">95, 30.650, 150.362</a>
Yxy	<a href="#">88.0935, 0.3020, 0.3772</a>
Android (android.graphics.Color)	<a href="#">4291166163 (0xFFC5FFD3)</a>
YUV	<a href="#">232.6420, -10.6695, -31.2580</a>
Hunter-Lab	<a href="#">93.8581, -30.1157, 18.3729</a>

# Details

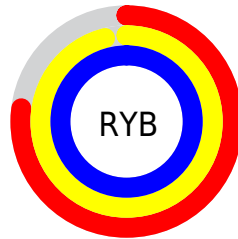
The Yxy color **88.0935, 0.3020, 0.3772** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.5062, 0.3256, 0.2852**, and the grayscale version is **81.2791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **48.5393, 0.2994, 0.3891** is the 20% darker color. If you saturate the color by 10%, you get **84.0186, 0.2976, 0.4024**, and if you desaturate by 10%, it is **92.8491, 0.3067, 0.3544**.

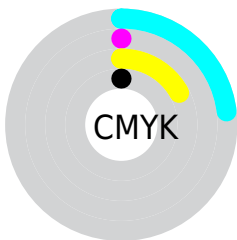
# Distribution



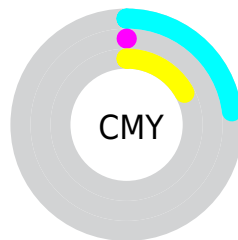
- Red (77%)
- Green (100%)
- Blue (83%)



- Red (77%)
- Yellow (96%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.0935, 0.3020, 0.3772 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 88.0935, 0.3020, 0.3772 by changing the saturation by 10% instead.



 88.0935, 0.3020,  
0.3772

 88.0935, 0.3020,  
0.3772

521.8094, 0.3072,  
0.3549

 66.4005, 0.3008,  
0.3823


144.6873, 0.3038,  
0.3695

 48.5976, 0.2992,  
0.3886

180.3569, 0.3045,  
0.3664

 34.3004, 0.2972,  
0.3966


221.4542, 0.3051,  
0.3639

 23.1245, 0.2946,  
0.4070

268.3636, 0.3057,  
0.3616

 14.6854, 0.2909,  
0.4212

321.4693, 0.3061,  
0.3596

 8.5989, 0.2853,  
0.4415

381.1560, 0.3065,

 4.4805, 0.2761,

0.3579

0.4731

447.8079, 0.3069,  
0.3563

1.9458, 0.2597,  
0.5299

0.5757, 0.0000,  
1.0000

88.0935, 0.3020,  
0.3772

88.0935, 0.3020,  
0.3772

84.0186, 0.2976,  
0.4024

92.8491, 0.3067,  
0.3544

80.6178, 0.2937,  
0.4298

98.3433, 0.3114,  
0.3342

77.8459, 0.2905,  
0.4586

100.0000, 0.3127,  
0.3290

75.6634, 0.2885,  
0.4877

■ 74.0258, 0.2879,  
0.5159

■ 72.8823, 0.2887,  
0.5414

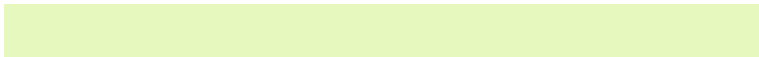
■ 72.1719, 0.2910,  
0.5627

■ 71.8661, 0.2931,  
0.5751

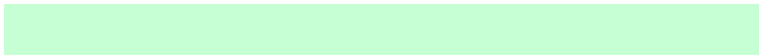
# Harmonies

## Analogous

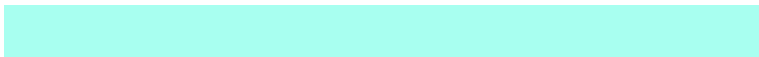
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0935, 0.3366, 0.3908



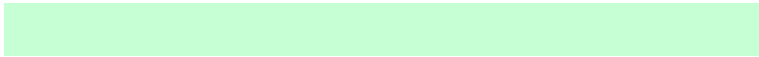
88.0935, 0.3020, 0.3772



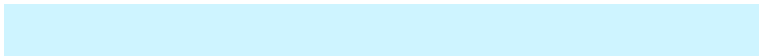
88.0935, 0.2715, 0.3482

# Triad

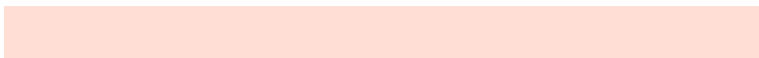
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.0935, 0.3020, 0.3772



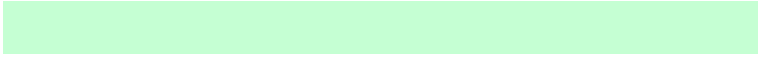
88.0935, 0.2607, 0.2739



88.0935, 0.3770, 0.3376

# Complementary

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



88.0935, 0.3020, 0.3772



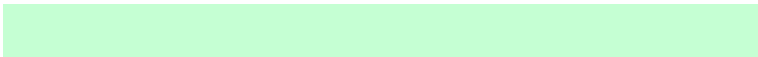
67.5062, 0.3256, 0.2852

# 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.



88.0935, 0.3544, 0.3096



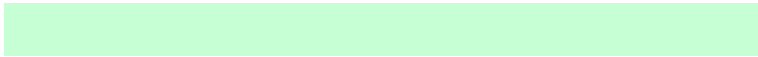
88.0935, 0.3020, 0.3772



88.0935, 0.2865, 0.2740

# Square

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



88.0935, 0.3020, 0.3772



88.0935, 0.2486, 0.2880



88.0935, 0.3207, 0.2869

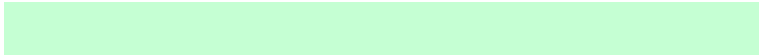


88.0935, 0.3810, 0.3651



# Rectangle

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



88.0935, 0.3020, 0.3772



88.0935, 0.2572, 0.3257



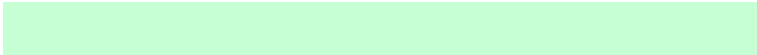
88.0935, 0.3207, 0.2869



88.0935, 0.3712, 0.3280

# Sweetspot

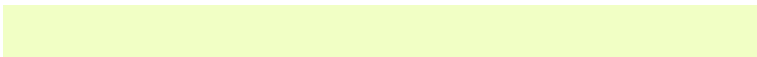
The Sweet Spot groups the original color and five complimentary colors.



88.0846, 0.3020, 0.3772



95.9299, 0.3094, 0.3424



94.3281, 0.3382, 0.3878



20.4615, 0.3091, 0.3436



0.0000, 0.0000, 0.0000

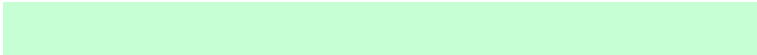


21.4041, 0.3127, 0.3290

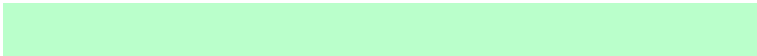


# Same Dimension

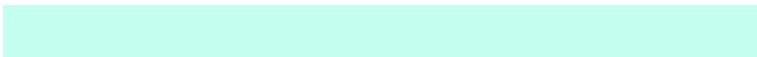
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.0846, 0.3020, 0.3772



86.2825, 0.3001, 0.3876



89.6432, 0.2868, 0.3454



20.2404, 0.3082, 0.3475



37.5710, 0.2924, 0.5725



3.6745, 0.2866, 0.5516



# Inverse Universe

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



67.5062, 0.3256, 0.2852



62.6319, 0.3285, 0.2768



65.9348, 0.3474, 0.3132



18.2206, 0.3175, 0.3112



13.1490, 0.3938, 0.1943

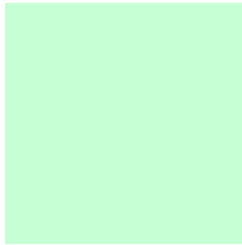


1.2974, 0.3837, 0.1887



# Previews

## White Background



This preview shows how the Yxy color 88.0935, 0.3020, 0.3772 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

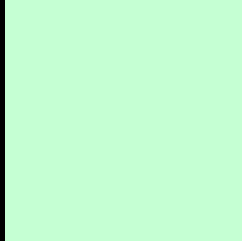
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.0935, 0.3020, 0.3772 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

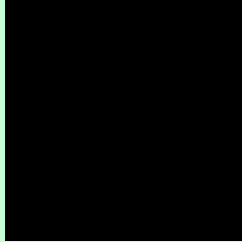
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

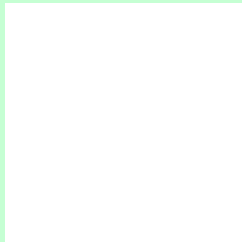
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.0935, 0.3020, 0.3772**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.0935, 0.3020, 0.3772.

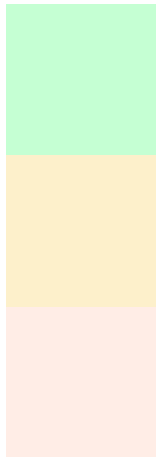


This preview shows how white text looks on a background with the Yxy color 88.0935, 0.3020, 0.3772.

# 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

88.0935, 0.3020, 0.3772

### Protanopia

87.5146, 0.3450, 0.3662

### Deuteranopia

87.5415, 0.3293, 0.3359



## Tritanopia

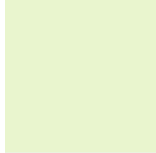
87.6093, 0.2932, 0.3178

# Trichromacy



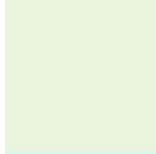
## Original Color

88.0935, 0.3020, 0.3772



## Protanomaly

87.0847, 0.3285, 0.3696



## Deuteranomaly

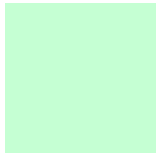
87.5215, 0.3189, 0.3506



## Tritanomaly

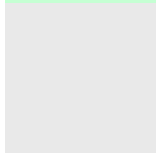
87.6629, 0.2967, 0.3384

# Monochromacy



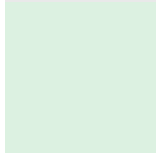
## Original Color

88.0935, 0.3020, 0.3772



## 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 88.0935, 0.3020, 0.3772 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(197, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(197, 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(197, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 88.0935, 0.3020, 0.3772 is called "border". The border property can be set on classes, ids or directly on the HTML element.

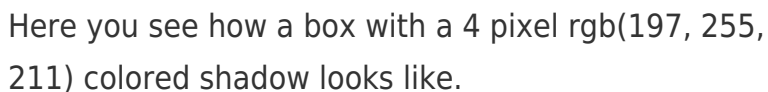
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 255, 211) }
```

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

```
.border{ border-color:rgb(197, 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(197, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 255, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 255, 211); box-shadow:4px 4px 4px 4px rgb(197, 255, 211) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.0935, 0.3020, 0.3772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 211) }
```

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

```
.background{ background-color: rgb(197,  
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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