

# Converting Colors

$Yxy(88.2372, 0.3053, 0.3801)$

Have a look what the booklet for  
Yxy(88.2372, 0.3053, 0.3801)  
contains.

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# Color

**Yxy(88.3534, 0.3055, 0.3803)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8FFD0
RGB	200, 255, 208
RGB Percent	78%, 100%, 82%
CMY	0.2155, 0.0000, 0.1843
CMYK	0.22, 0.00, 0.18, 0.00
HSL	129°, 100%, 89%
HSV	129°, 22%, 100%
XYZ	70.9755, 88.3534, 72.9967
YIQ	233.1970, -17.6930, -26.2770

# Conversions

## Conversions Part 2

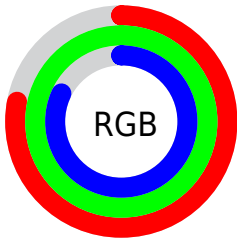
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	200, 248, 255
Decimal	13172688
CIE Lab	95.31, -26.16, 16.87
CIE LCh	95, 31.129, 147.184
Yxy	88.3534, 0.3055, 0.3803
Android (android.graphics.Color)	4291362768 (0xFFC8FFD0)
YUV	233.1970, -12.4221, -29.1138
Hunter-Lab	93.9965, -29.7110, 19.7536

# Details

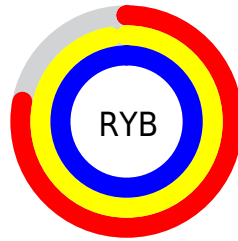
The Yxy color **88.3534, 0.3055, 0.3803** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.3074, 0.3209, 0.2826**, and the grayscale version is **81.7565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.7410, 0.3030, 0.3917** is the 20% darker color. If you saturate the color by 10%, you get **84.1324, 0.3022, 0.4086**, and if you desaturate by 10%, it is **93.3150, 0.3089, 0.3548**.

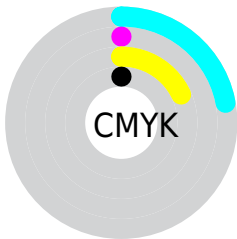
# Distribution



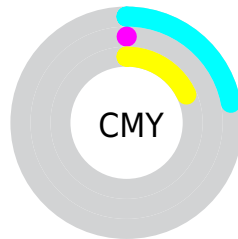
- Red (78%)
- Green (100%)
- Blue (82%)



- 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 88.3534, 0.3055, 0.3803 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 88.3534, 0.3055, 0.3803 by changing the saturation by 10% instead.



 88.3534, 0.3055,  
0.3803

 88.3534, 0.3055,  
0.3803


522.6599, 0.3091,  
0.3565

 66.6158, 0.3046,  
0.3857


145.0491, 0.3068,  
0.3721

 48.7725, 0.3034,  
0.3924


180.7759, 0.3073,  
0.3688

 34.4390, 0.3019,  
0.4009


221.9346, 0.3077,  
0.3661

 23.2311, 0.2999,  
0.4120

268.9096, 0.3081,  
0.3637

 14.7642, 0.2969,  
0.4271

322.0852, 0.3084,  
0.3616

 8.6541, 0.2923,  
0.4487

381.8458, 0.3087,

 4.5162, 0.2845,

0.3597

0.4822

448.5759, 0.3089,  
0.3580

■ 1.9663, 0.2711,  
0.5445

■ 0.5878, 0.0000,  
1.0000

■ 88.3534, 0.3055,  
0.3803

■ 88.3534, 0.3055,  
0.3803

■ 84.1324, 0.3022,  
0.4086

■ 93.3150, 0.3089,  
0.3548

■ 80.6057, 0.2992,  
0.4393

■ 99.0385, 0.3122,  
0.3322

■ 77.7392, 0.2967,  
0.4713

■ 99.9961, 0.3127,  
0.3290

■ 75.4914, 0.2949,  
0.5033

■ 73.8161, 0.2941,  
0.5332

■ 72.6604, 0.2944,  
0.5589

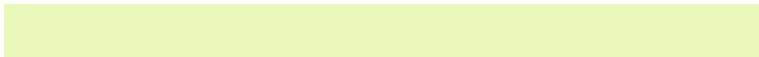
■ 71.9614, 0.2958,  
0.5787

■ 71.6495, 0.2973,  
0.5901

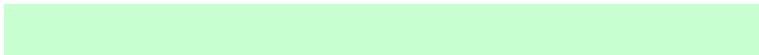
# Harmonies

## Analogous

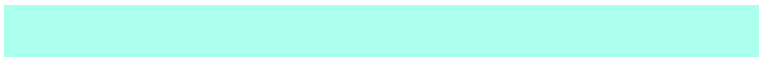
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3534, 0.3405, 0.3921



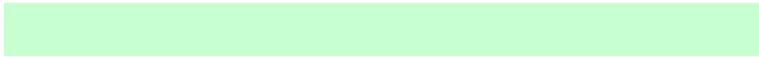
88.3534, 0.3055, 0.3803



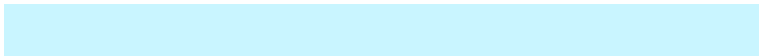
88.3534, 0.2737, 0.3521

# Triad

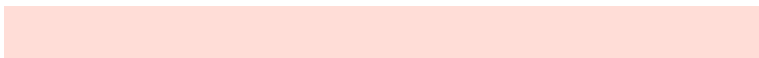
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.3534, 0.3055, 0.3803



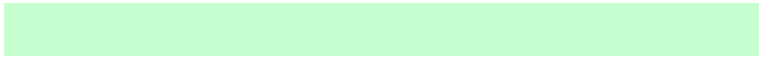
88.3534, 0.2579, 0.2740



88.3534, 0.3763, 0.3346

# Complementary

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



88.3534, 0.3055, 0.3803



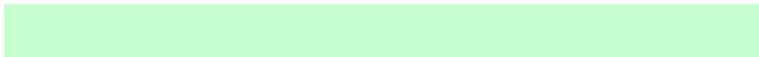
69.3074, 0.3209, 0.2826

# 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.



88.3534, 0.3517, 0.3065



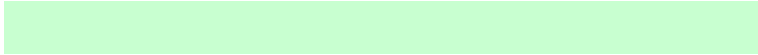
88.3534, 0.3055, 0.3803



88.3534, 0.2828, 0.2726

# Square

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



88.3534, 0.3055, 0.3803



88.3534, 0.2474, 0.2897



88.3534, 0.3170, 0.2844

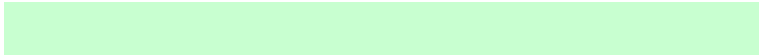


88.3534, 0.3826, 0.3629



# Rectangle

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



88.3534, 0.3055, 0.3803



88.3534, 0.2583, 0.3292



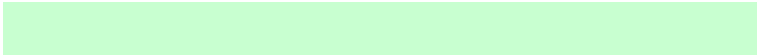
88.3534, 0.3170, 0.2844



88.3534, 0.3698, 0.3249

# Sweetspot

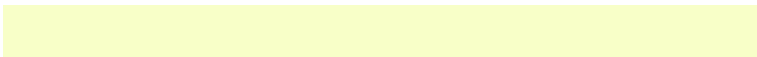
The Sweet Spot groups the original color and five complimentary colors.



88.3571, 0.3055, 0.3803



96.3987, 0.3107, 0.3419



95.5844, 0.3405, 0.3838



20.5530, 0.3105, 0.3434



0.0000, 0.0000, 0.0000

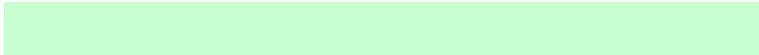


21.4041, 0.3127, 0.3290

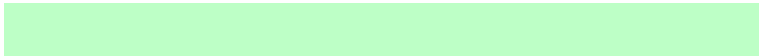


# Same Dimension

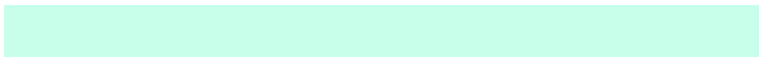
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.3571, 0.3055, 0.3803



86.3922, 0.3040, 0.3926



89.7916, 0.2910, 0.3504



20.2111, 0.3096, 0.3499



37.4533, 0.2968, 0.5883



3.6589, 0.2921, 0.5715



# Inverse Universe

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



69.3074, 0.3209, 0.2826



64.1425, 0.3229, 0.2728



67.7680, 0.3408, 0.3086



18.2524, 0.3160, 0.3089



13.7718, 0.3614, 0.1765

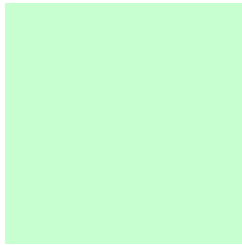


1.3528, 0.3561, 0.1735



# Previews

## White Background



This preview shows how the Yxy color 88.3534, 0.3055, 0.3803 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 88.3534, 0.3055, 0.3803 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

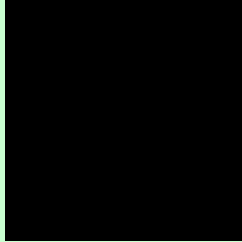
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

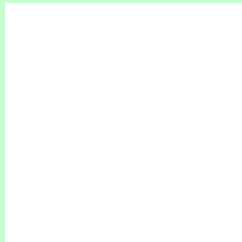
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.3534, 0.3055, 0.3803**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.3534, 0.3055, 0.3803.

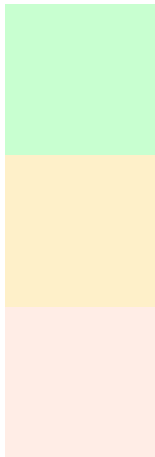


This preview shows how white text looks on a background with the Yxy color 88.3534, 0.3055, 0.3803.

# 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

88.3534, 0.3055, 0.3803

### Protanopia

87.6081, 0.3470, 0.3681

### Deuteranopia

87.5415, 0.3293, 0.3359



## Tritanopia

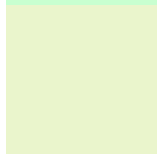
87.9289, 0.2944, 0.3178

# Trichromacy



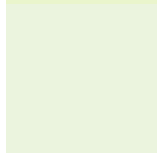
## Original Color

88.3534, 0.3055, 0.3803



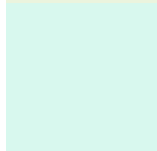
## Protanomaly

87.1569, 0.3304, 0.3717



## Deuteranomaly

87.6375, 0.3201, 0.3516



## Tritanomaly

87.9068, 0.2985, 0.3394

# Monochromacy



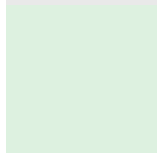
## Original Color

88.3534, 0.3055, 0.3803



## 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 88.3534, 0.3055, 0.3803 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(200, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 88.3534, 0.3055, 0.3803 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(200, 255, 208) }
```

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

```
.border{ border-color:rgb(200, 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(200, 255, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.3534, 0.3055, 0.3803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 208) }
```

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

```
.background{ background-color: rgb(200,  
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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