

# Converting Colors

$Yxy(88.9846, 0.2929, 0.3582)$

Have a look what the booklet for  
Yxy(88.9846, 0.2929, 0.3582)  
contains.

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# Color

**Yxy(88.9918, 0.2929, 0.3581)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5FFE4
RGB	197, 255, 228
RGB Percent	77%, 100%, 89%
CMY	0.2274, 0.0000, 0.1059
CMYK	0.23, 0.00, 0.11, 0.00
HSL	152°, 100%, 89%
HSV	152°, 23%, 100%
XYZ	72.7889, 88.9918, 86.7303
YIQ	234.5800, -25.9010, -20.6930

# Conversions

## Conversions Part 2

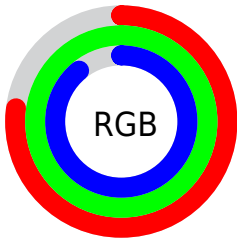
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 235, 255
Decimal	12976100
CIELab	95.58, -23.48, 6.98
CIELCh	96, 24.498, 163.451
Yxy	88.9918, 0.2929, 0.3581
Android (android.graphics.Color)	4291166180 (0xFFC5FFE4)
YUV	234.5800, -3.2439, -32.9577
Hunter-Lab	94.3355, -27.3572, 11.5247

# Details

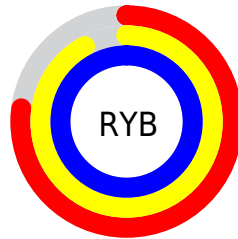
The Yxy color **88.9918, 0.2929, 0.3581** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.5778, 0.3383, 0.3017**, and the grayscale version is **82.7815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **49.1561, 0.2880, 0.3641** is the 20% darker color. If you saturate the color by 10%, you get **85.1985, 0.2850, 0.3731**, and if you desaturate by 10%, it is **93.4129, 0.3014, 0.3444**.

# Distribution



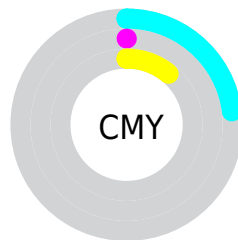
- Red (77%)
- Green (100%)
- Blue (89%)



- Red (77%)
- Yellow (92%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.9918, 0.2929, 0.3581 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 88.9918, 0.2929, 0.3581 by changing the saturation by 10% instead.




 88.9918, 0.2929,  
0.3581

 88.9918, 0.2929,  
0.3581


524.7457, 0.3019,  
0.3448

 67.1448, 0.2909,  
0.3611

145.9372, 0.2960,  
0.3535

 49.2023, 0.2884,  
0.3648


181.8043, 0.2972,  
0.3517

 34.7800, 0.2853,  
0.3694


223.1135, 0.2982,  
0.3502

 23.4934, 0.2814,  
0.3754

270.2493, 0.2991,  
0.3488

 14.9583, 0.2760,  
0.3835

323.5960, 0.3000,  
0.3477

 8.7901, 0.2685,  
0.3949

383.5381, 0.3007,

 4.6045, 0.2572,

0.3466

0.4125

450.4599, 0.3013,  
0.3457

2.0172, 0.2383,  
0.4425

0.6174, 0.0166,  
0.7572

88.9918, 0.2929,  
0.3581

88.9918, 0.2929,  
0.3581

85.1985, 0.2850,  
0.3731

93.4129, 0.3014,  
0.3444


82.0025, 0.2780,  
0.3894


98.4895, 0.3103,  
0.3321

79.3711, 0.2723,  
0.4068

100.0000, 0.3127,  
0.3290

77.2682, 0.2682,  
0.4250

 75.6536, 0.2660,  
0.4435

 74.4807, 0.2658,  
0.4619

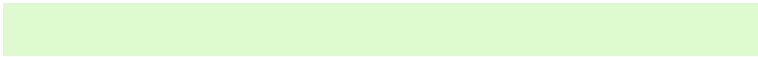
 73.6933, 0.2677,  
0.4798

 73.3042, 0.2701,  
0.4922

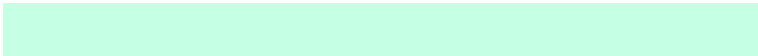
# Harmonies

## Analogous

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



88.9918, 0.3201, 0.3748



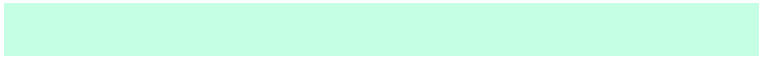
88.9918, 0.2929, 0.3581



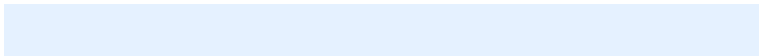
88.9918, 0.2716, 0.3328

# Triad

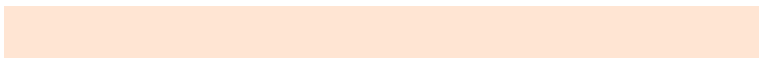
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.9918, 0.2929, 0.3581



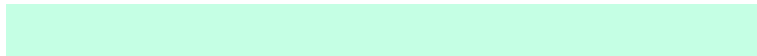
88.9918, 0.2789, 0.2833



88.9918, 0.3671, 0.3464

# Complementary

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



88.9918, 0.2929, 0.3581



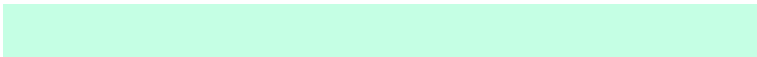
66.5778, 0.3383, 0.3017

# 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.



88.9918, 0.3552, 0.3232



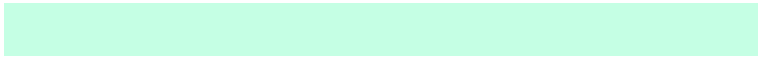
88.9918, 0.2929, 0.3581



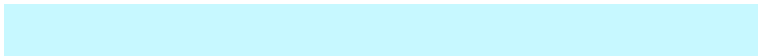
88.9918, 0.3034, 0.2879

# Square

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



88.9918, 0.2929, 0.3581



88.9918, 0.2638, 0.2900



88.9918, 0.3315, 0.3023

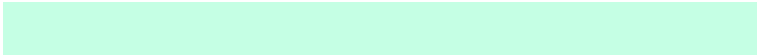


88.9918, 0.3636, 0.3664

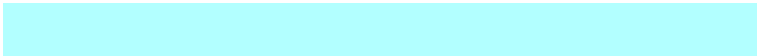


# Rectangle

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



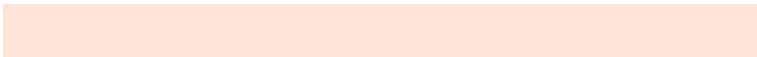
88.9918, 0.2929, 0.3581



88.9918, 0.2633, 0.3156



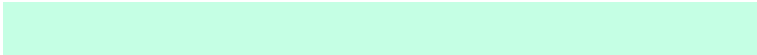
88.9918, 0.3315, 0.3023



88.9918, 0.3648, 0.3387

# Sweetspot

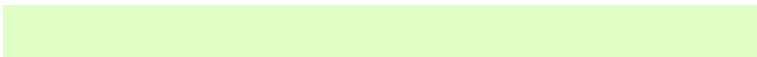
The Sweet Spot groups the original color and five complimentary colors.



88.9919, 0.2929, 0.3581



96.2464, 0.3065, 0.3372



91.4099, 0.3267, 0.3899



20.5347, 0.3059, 0.3379



0.0000, 0.0000, 0.0000

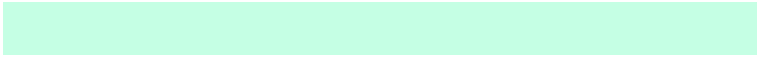


21.4041, 0.3127, 0.3290

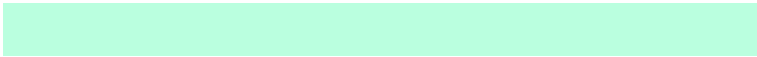


# Same Dimension

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



88.9919, 0.2929, 0.3581



87.3020, 0.2894, 0.3643



89.3839, 0.2787, 0.3269



20.3304, 0.3043, 0.3403



38.3335, 0.2693, 0.4894



3.7545, 0.2638, 0.4696



# Inverse Universe

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



66.5778, 0.3383, 0.3017



61.5144, 0.3445, 0.2963



66.1102, 0.3593, 0.3311



18.1279, 0.3221, 0.3180



11.8313, 0.5110, 0.2589

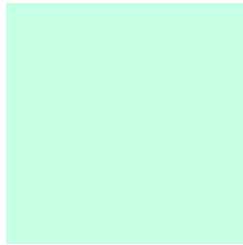


1.1738, 0.4837, 0.2438



# Previews

## White Background



This preview shows how the Yxy color 88.9918, 0.2929, 0.3581 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

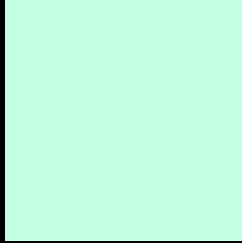
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.9918, 0.2929, 0.3581 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

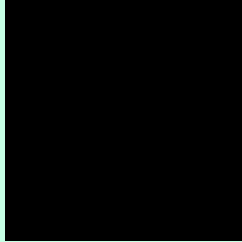
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

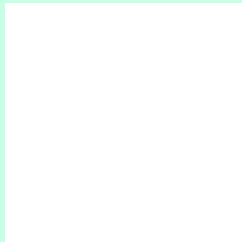
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.9918, 0.2929, 0.3581**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.9918, 0.2929, 0.3581.

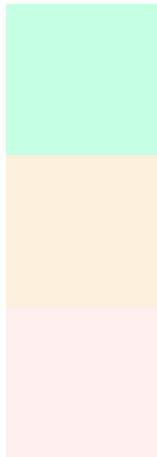


This preview shows how white text looks on a background with the Yxy color 88.9918, 0.2929, 0.3581.

# 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

88.9918, 0.2929, 0.3581

### Protanopia

88.5871, 0.3325, 0.3500

### Deuteranopia

88.5235, 0.3247, 0.3300



## Tritanopia

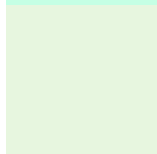
88.5324, 0.2944, 0.3188

# Trichromacy



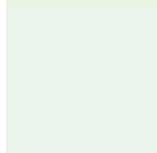
## Original Color

88.9918, 0.2929, 0.3581



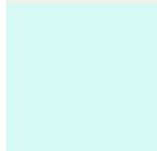
## Protanomaly

88.2282, 0.3168, 0.3527



## Deuteranomaly

88.1343, 0.3122, 0.3392



## Tritanomaly

88.7910, 0.2940, 0.3331

# Monochromacy



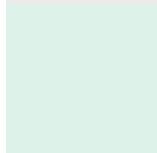
## Original Color

88.9918, 0.2929, 0.3581



## Achromatopsia

83.0770, 0.3127, 0.3290



## Achromatomaly

84.7026, 0.3051, 0.3395

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.9918, 0.2929, 0.3581 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 88.9918, 0.2929, 0.3581 is called "border". The border property can be set on classes, ids or directly on the HTML element.

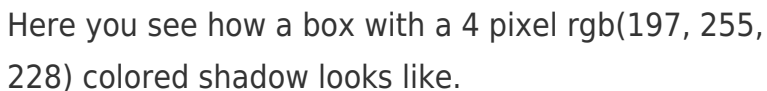
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 255, 228) }
```

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

```
.border{ border-color:rgb(197, 255, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 255, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 255, 228); box-shadow:4px 4px 4px 4px rgb(197, 255, 228) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.9918, 0.2929, 0.3581 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, 228) }
```

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

```
.background{ background-color: rgb(197,  
255, 228) }
```

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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