

# Converting Colors

$Y_{xy}(100.0000, 0.2919, 0.3761)$

Have a look what the booklet for  
Yxy(100.0000, 0.2919, 0.3761)  
contains.

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# Color

**Yxy(88.5908, 0.2912, 0.3582)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2FFE4
RGB	194, 255, 228
RGB Percent	76%, 100%, 89%
CMY	0.2391, 0.0000, 0.1058
CMYK	0.24, 0.00, 0.11, 0.00
HSL	153°, 100%, 88%
HSV	153°, 24%, 100%
XYZ	72.0202, 88.5908, 86.7112
YIQ	233.6830, -27.6890, -21.3290

# Conversions

## Conversions Part 2

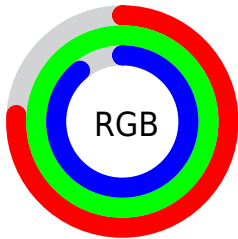
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 233, 255
Decimal	12779492
CIELab	95.41, -24.38, 6.70
CIElCh	95, 25.280, 164.626
Yxy	88.5908, 0.2912, 0.3582
Android (android.graphics.Color)	4290969572 (0xFFC2FFE4)
YUV	233.6830, -2.8017, -34.8020
Hunter-Lab	94.1227, -28.1312, 11.2646

# Details

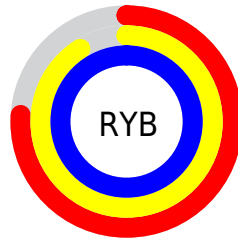
The Yxy color **88.5908, 0.2912, 0.3582** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.0823, 0.3411, 0.3016**, and the grayscale version is **82.0728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **48.8943, 0.2860, 0.3643** is the 20% darker color. If you saturate the color by 10%, you get **84.8974, 0.2831, 0.3726**, and if you desaturate by 10%, it is **92.9114, 0.2999, 0.3451**.

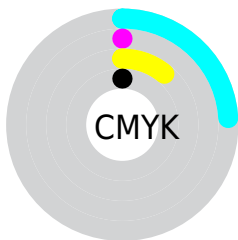
# Distribution



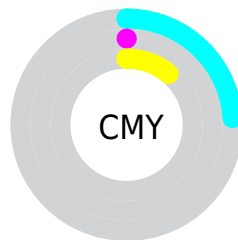
- Red (76%)
- Green (100%)
- Blue (89%)



- Red (76%)
- Yellow (91%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.5908, 0.2912, 0.3582 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 88.5908, 0.2912, 0.3582 by changing the saturation by 10% instead.



 88.5908, 0.2912,  
0.3582

 88.5908, 0.2912,  
0.3582

523.4360, 0.3009,  
0.3449

 66.8125, 0.2890,  
0.3612


 145.3794, 0.2945,  
0.3536

 48.9322, 0.2864,  
0.3649


181.1584, 0.2959,  
0.3518

 34.5657, 0.2830,  
0.3695


222.3732, 0.2970,  
0.3503

 23.3285, 0.2787,  
0.3756

269.4080, 0.2980,  
0.3489

 14.8363, 0.2729,  
0.3837

322.6473, 0.2989,  
0.3477

 8.7046, 0.2648,  
0.3952

382.4755, 0.2996,

 4.5490, 0.2526,

0.3467

0.4129

449.2769, 0.3003,  
0.3457

■ 1.9852, 0.2322,  
0.4432

■ 0.5988, 0.0000,  
0.7655

■ 88.5908, 0.2912,  
0.3582

■ 88.5908, 0.2912,  
0.3582

■ 84.8974, 0.2831,  
0.3726

■ 92.9114, 0.2999,  
0.3451

■ 81.7899, 0.2760,  
0.3882

■ 97.8763, 0.3091,  
0.3333

■ 79.2390, 0.2703,  
0.4047

99.9977, 0.3127,  
0.3290

■ 77.2083, 0.2662,  
0.4220

■ 75.6571, 0.2640,  
0.4395

■ 74.5381, 0.2639,  
0.4570

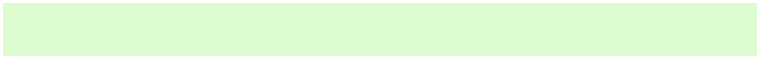
■ 73.7938, 0.2659,  
0.4740

■ 73.4743, 0.2678,  
0.4840

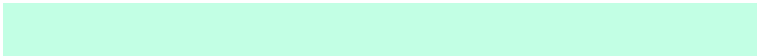
# Harmonies

## Analogous

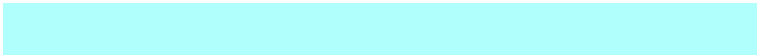
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5908, 0.3192, 0.3760



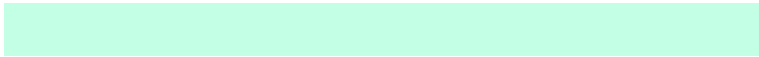
88.5908, 0.2912, 0.3582



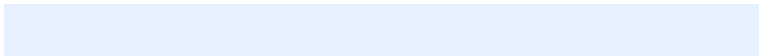
88.5908, 0.2696, 0.3318

# Triad

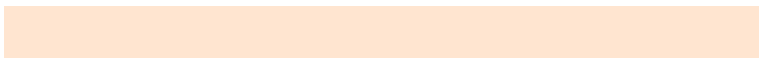
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5908, 0.2912, 0.3582



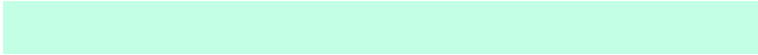
88.5908, 0.2786, 0.2818



88.5908, 0.3691, 0.3478

# Complementary

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



88.5908, 0.2912, 0.3582



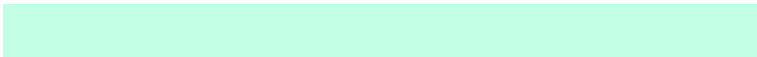
65.0823, 0.3411, 0.3016

# 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.



88.5908, 0.3574, 0.3239



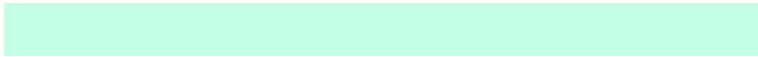
88.5908, 0.2912, 0.3582



88.5908, 0.3042, 0.2870

# Square

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



88.5908, 0.2912, 0.3582



88.5908, 0.2626, 0.2882



88.5908, 0.3332, 0.3022

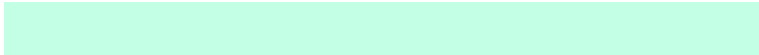


88.5908, 0.3649, 0.3683



# Rectangle

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



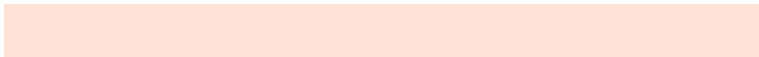
88.5908, 0.2912, 0.3582



88.5908, 0.2614, 0.3141



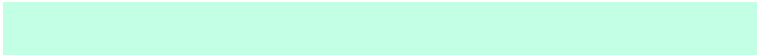
88.5908, 0.3332, 0.3022



88.5908, 0.3669, 0.3399

# Sweetspot

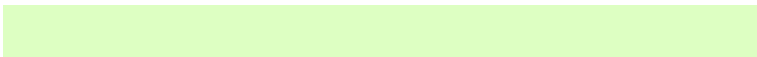
The Sweet Spot groups the original color and five complimentary colors.



88.5945, 0.2912, 0.3582



96.2718, 0.3062, 0.3368



90.8606, 0.3268, 0.3934



20.5406, 0.3057, 0.3375



0.0000, 0.0000, 0.0000

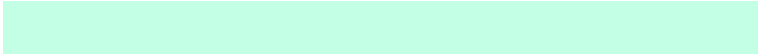


21.4041, 0.3127, 0.3290

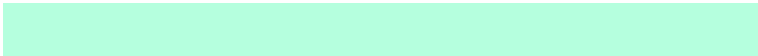


# Same Dimension

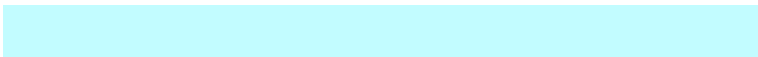
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5945, 0.2912, 0.3582



86.6380, 0.2870, 0.3654



88.2829, 0.2771, 0.3257



20.3377, 0.3039, 0.3397



38.4237, 0.2670, 0.4813



3.7632, 0.2618, 0.4623



# Inverse Universe

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



65.0823, 0.3411, 0.3016



59.1721, 0.3490, 0.2955



65.1285, 0.3621, 0.3323



18.1207, 0.3224, 0.3185



11.7593, 0.5207, 0.2642

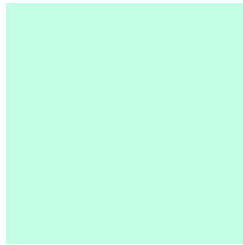


1.1665, 0.4923, 0.2486



# Previews

## White Background



This preview shows how the Yxy color 88.5908, 0.2912, 0.3582 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

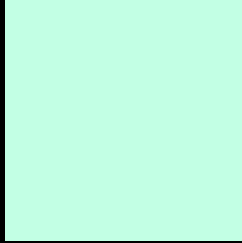
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.5908, 0.2912, 0.3582 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

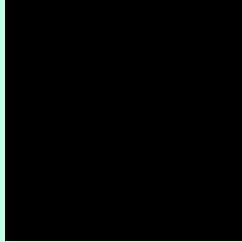
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

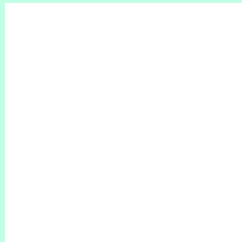
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.5908, 0.2912, 0.3582**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.5908, 0.2912, 0.3582.

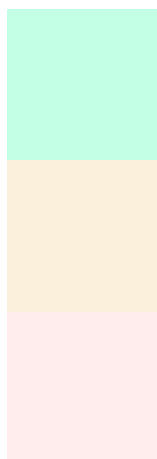


This preview shows how white text looks on a background with the Yxy color 88.5908, 0.2912, 0.3582.

# 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

88.5908, 0.2912, 0.3582

### Protanopia

87.8115, 0.3319, 0.3491

### Deuteranopia

87.9428, 0.3248, 0.3290



## Tritanopia

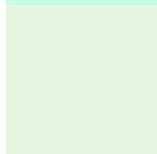
88.2128, 0.2932, 0.3188

# Trichromacy



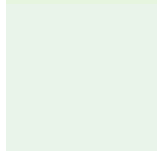
## Original Color

88.5908, 0.2912, 0.3582



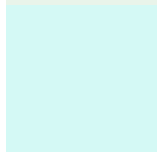
## Protanomaly

87.4555, 0.3162, 0.3518



## Deuteranomaly

87.9655, 0.3116, 0.3392



## Tritanomaly

88.3410, 0.2923, 0.3331

# Monochromacy



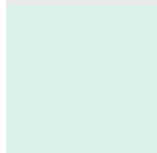
## Original Color

88.5908, 0.2912, 0.3582



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

84.3905, 0.3039, 0.3395

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.5908, 0.2912, 0.3582 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(194, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(194, 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(194, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 88.5908, 0.2912, 0.3582 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(194, 255, 228) }
```

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

```
.border{ border-color:rgb(194, 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(194, 255, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.5908, 0.2912, 0.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 228) }
```

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

```
.background{ background-color: rgb(194,  
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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