

# Converting Colors

Yxy(88.2914, 0.3001, 0.3729)

Have a look what the booklet for  
Yxy(88.2914, 0.3001, 0.3729)  
contains.

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# Color

**Yxy(88.2966, 0.2999, 0.3727)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5FFD7
RGB	197, 255, 215
RGB Percent	77%, 100%, 84%
CMY	0.2274, 0.0000, 0.1570
CMYK	0.23, 0.00, 0.16, 0.00
HSL	139°, 100%, 89%
HSV	139°, 23%, 100%
XYZ	71.0495, 88.2966, 77.5645
YIQ	233.0980, -21.7280, -24.7360

# Conversions

## Conversions Part 2

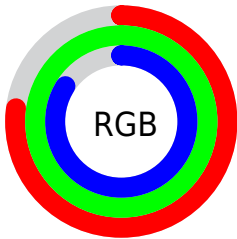
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 241, 255
Decimal	12976087
CIELab	95.29, -25.90, 13.25
CIELCh	95, 29.094, 152.905
Yxy	88.2966, 0.2999, 0.3727
Android (android.graphics.Color)	4291166167 (0xFFC5FFD7)
YUV	233.0980, -8.9223, -31.6579
Hunter-Lab	93.9663, -29.4741, 16.8354

# Details

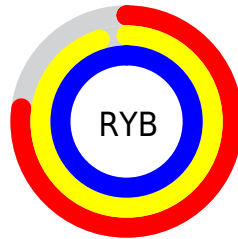
The Yxy color **88.2966, 0.2999, 0.3727** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.3135, 0.3284, 0.2890**, and the grayscale version is **81.6424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **48.6770, 0.2967, 0.3832** is the 20% darker color. If you saturate the color by 10%, you get **84.2831, 0.2947, 0.3956**, and if you desaturate by 10%, it is **92.9888, 0.3055, 0.3520**.

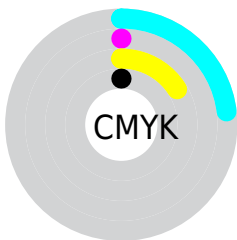
# Distribution



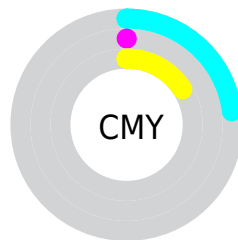
- Red (77%)
- Green (100%)
- Blue (84%)



- Red (77%)
- Yellow (95%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.2966, 0.2999, 0.3727 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 88.2966, 0.2999, 0.3727 by changing the saturation by 10% instead.




 88.2966, 0.2999,  
0.3727

 88.2966, 0.2999,  
0.3727


522.4740, 0.3059,  
0.3525

 66.5687, 0.2985,  
0.3773

144.9700, 0.3020,  
0.3657

 48.7342, 0.2967,  
0.3830


180.6844, 0.3028,  
0.3630

 34.4087, 0.2945,  
0.3901


221.8296, 0.3035,  
0.3606

 23.2078, 0.2916,  
0.3995

268.7903, 0.3041,  
0.3586

 14.7470, 0.2875,  
0.4122

321.9506, 0.3047,  
0.3568

 8.6420, 0.2815,  
0.4305

381.6951, 0.3052,

 4.5084, 0.2720,

0.3552

0.4587

448.4081, 0.3056,  
0.3538

■ 1.9618, 0.2547,  
0.5081

■ 0.5852, 0.0000,  
1.0000

■ 88.2966, 0.2999,  
0.3727

■ 88.2966, 0.2999,  
0.3727

■ 84.2831, 0.2947,  
0.3956

■ 92.9888, 0.3055,  
0.3520


■ 80.9173, 0.2901,  
0.4204


■ 98.3912, 0.3112,  
0.3337


■ 78.1638, 0.2864,  
0.4467


■ 100.0000, 0.3127,  
0.3290

■ 75.9839, 0.2840,  
0.4737

 74.3349, 0.2832,  
0.5002

 73.1673, 0.2840,  
0.5251

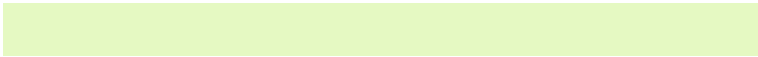
 72.4218, 0.2865,  
0.5470

 72.0840, 0.2890,  
0.5605

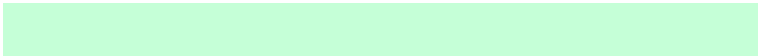
# Harmonies

## Analogous

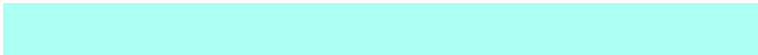
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2966, 0.3328, 0.3871



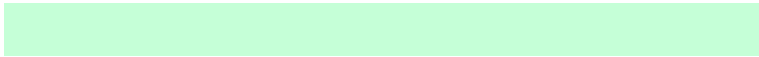
88.2966, 0.2999, 0.3727



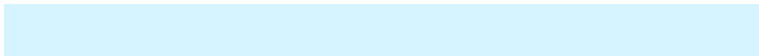
88.2966, 0.2715, 0.3446

# Triad

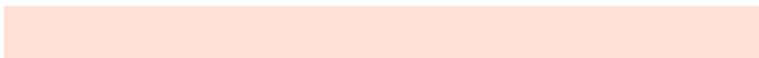
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.2966, 0.2999, 0.3727



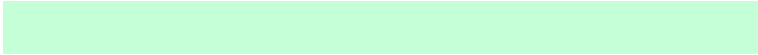
88.2966, 0.2649, 0.2761



88.2966, 0.3747, 0.3396

# Complementary

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



88.2966, 0.2999, 0.3727



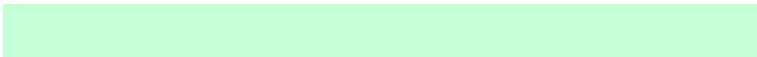
67.3135, 0.3284, 0.2890

# 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.



88.2966, 0.3546, 0.3127



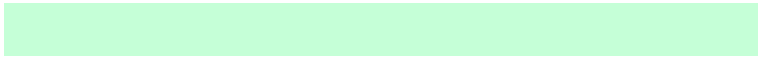
88.2966, 0.2999, 0.3727



88.2966, 0.2904, 0.2772

# Square

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



88.2966, 0.2999, 0.3727



88.2966, 0.2521, 0.2885



88.2966, 0.3232, 0.2904

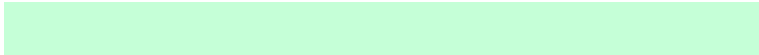


88.2966, 0.3770, 0.3655



# Rectangle

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



88.2966, 0.2999, 0.3727



88.2966, 0.2586, 0.3233



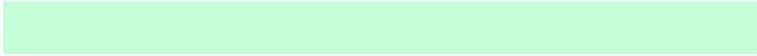
88.2966, 0.3232, 0.2904



88.2966, 0.3697, 0.3305

# Sweetspot

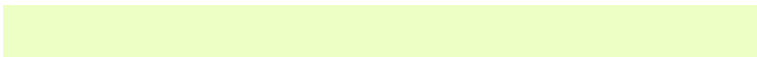
The Sweet Spot groups the original color and five complimentary colors.



88.2961, 0.2999, 0.3727



96.0020, 0.3087, 0.3412



93.6601, 0.3356, 0.3882



20.4782, 0.3084, 0.3423



0.0000, 0.0000, 0.0000

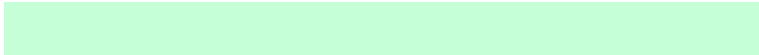


21.4041, 0.3127, 0.3290

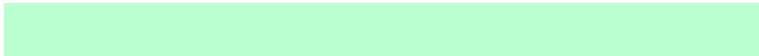


# Same Dimension

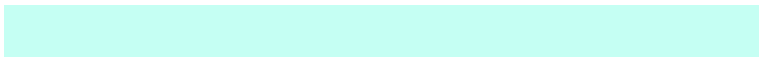
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.2961, 0.2999, 0.3727



86.5059, 0.2976, 0.3822



89.8869, 0.2848, 0.3412



20.2608, 0.3073, 0.3458



37.6888, 0.2882, 0.5576



3.6882, 0.2820, 0.5352



# Inverse Universe

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



67.3135, 0.3284, 0.2890



62.3632, 0.3321, 0.2812



65.7806, 0.3504, 0.3172



18.1990, 0.3186, 0.3127



12.7755, 0.4185, 0.2079

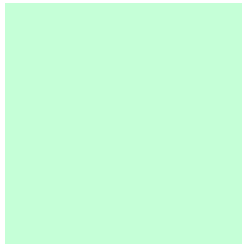


1.2635, 0.4046, 0.2003



# Previews

## White Background



This preview shows how the Yxy color 88.2966, 0.2999, 0.3727 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

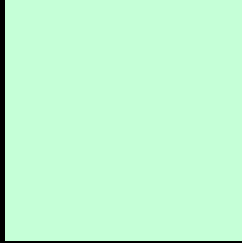
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.2966, 0.2999, 0.3727 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

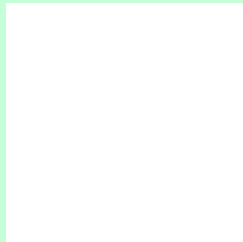
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.2966, 0.2999, 0.3727**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.2966, 0.2999, 0.3727.

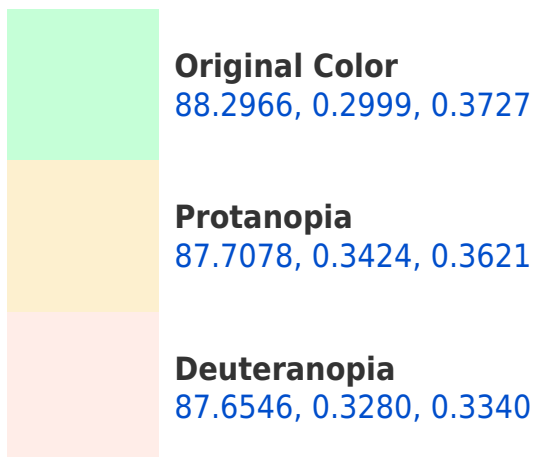


This preview shows how white text looks on a background with the Yxy color 88.2966, 0.2999, 0.3727.

# 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

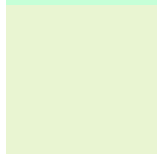
87.7687, 0.2938, 0.3178

# Trichromacy



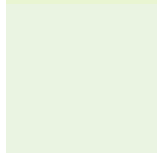
## Original Color

88.2966, 0.2999, 0.3727



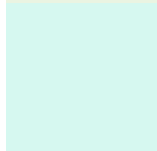
## Protanomaly

87.2816, 0.3261, 0.3654



## Deuteranomaly

87.6848, 0.3171, 0.3475



## Tritanomaly

87.7222, 0.2962, 0.3373

# Monochromacy



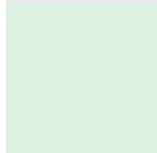
## Original Color

88.2966, 0.2999, 0.3727



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.6172, 0.3081, 0.3449

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.2966, 0.2999, 0.3727 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 88.2966, 0.2999, 0.3727 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, 215) }
```

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

```
.border{ border-color:rgb(197, 255, 215) }
```

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, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.2966, 0.2999, 0.3727 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, 215) }
```

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

```
.background{ background-color: rgb(197,  
255, 215) }
```

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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