

# Converting Colors

$Y_{xy}(100.0000, 0.2932, 0.3760)$

Have a look what the booklet for  
Yxy(100.0000, 0.2932, 0.3760)  
contains.

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# Color

**Yxy(88.8018, 0.2929, 0.3592)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4FFE3
RGB	196, 255, 227
RGB Percent	77%, 100%, 89%
CMY	0.2310, 0.0001, 0.1097
CMYK	0.23, 0.00, 0.11, 0.00
HSL	152°, 100%, 88%
HSV	152°, 23%, 100%
XYZ	72.4110, 88.8018, 86.0082
YIQ	234.1670, -26.1760, -21.2160

# Conversions

## Conversions Part 2

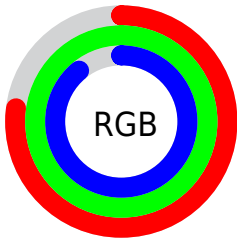
<b>Format</b>	<b>Color</b>
<b>RYB</b>	196, 235, 255
Decimal	12910563
CIELab	95.50, -23.93, 7.36
CIElCh	95, 25.039, 162.913
Yxy	88.8018, 0.2929, 0.3592
Android (android.graphics.Color)	4291100643 (0xFFC4FFE3)
YUV	234.1670, -3.5333, -33.4725
Hunter-Lab	94.2347, -27.7493, 11.8502

# Details

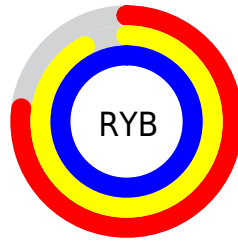
The Yxy color **88.8018, 0.2929, 0.3592** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.1680, 0.3384, 0.3007**, and the grayscale version is **82.4717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **49.0294, 0.2880, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **85.0240, 0.2851, 0.3746**, and if you desaturate by 10%, it is **93.2151, 0.3013, 0.3452**.

# Distribution



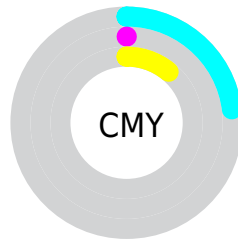
- Red (77%)
- Green (100%)
- Blue (89%)



- 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 88.8018, 0.2929, 0.3592 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 88.8018, 0.2929, 0.3592 by changing the saturation by 10% instead.



 88.8018, 0.2929,  
0.3592

 88.8018, 0.2929,  
0.3592

524.1254, 0.3019,  
0.3454

 66.9873, 0.2909,  
0.3623


145.6729, 0.2960,  
0.3544

 49.0743, 0.2884,  
0.3661


181.4983, 0.2972,  
0.3526

 34.6784, 0.2853,  
0.3710


222.7628, 0.2982,  
0.3510

 23.4153, 0.2813,  
0.3772

269.8508, 0.2992,  
0.3496

 14.9004, 0.2759,  
0.3856

323.1466, 0.3000,  
0.3484

 8.7495, 0.2684,  
0.3976

383.0348, 0.3007,

 4.5782, 0.2569,

0.3473

0.4160

449.8996, 0.3013,  
0.3463

■ 2.0020, 0.2377,  
0.4475

■ 0.6086, 0.0000,  
0.8041

■ 88.8018, 0.2929,  
0.3592

■ 88.8018, 0.2929,  
0.3592

■ 85.0240, 0.2851,  
0.3746

■ 93.2151, 0.3013,  
0.3452


■ 81.8405, 0.2783,  
0.3913


■ 98.2812, 0.3100,  
0.3326

■ 79.2219, 0.2727,  
0.4091


■ 99.9891, 0.3127,  
0.3290

■ 77.1320, 0.2688,  
0.4276

 75.5303, 0.2667,  
0.4466

 74.3700, 0.2667,  
0.4653

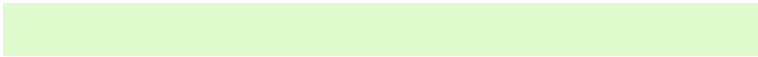
 73.5943, 0.2687,  
0.4834

 73.2269, 0.2710,  
0.4954

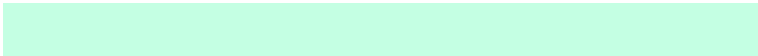
# Harmonies

## Analogous

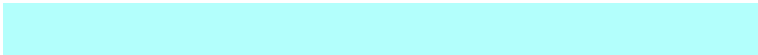
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8018, 0.3208, 0.3761



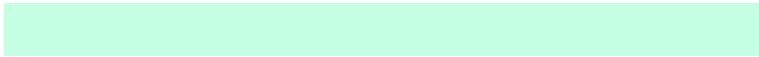
88.8018, 0.2929, 0.3592



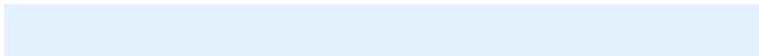
88.8018, 0.2710, 0.3334

# Triad

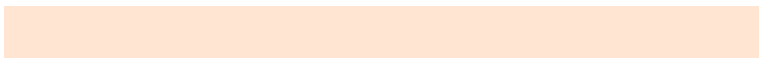
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.8018, 0.2929, 0.3592



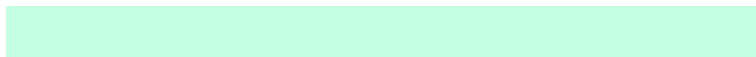
88.8018, 0.2778, 0.2823



88.8018, 0.3683, 0.3463

# Complementary

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



88.8018, 0.2929, 0.3592



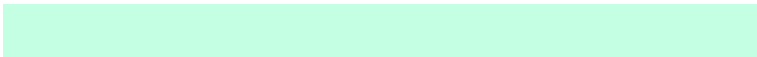
66.1680, 0.3384, 0.3007

# 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.



88.8018, 0.3558, 0.3227



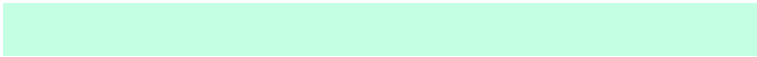
88.8018, 0.2929, 0.3592



88.8018, 0.3027, 0.2868

# Square

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



88.8018, 0.2929, 0.3592



88.8018, 0.2626, 0.2894



88.8018, 0.3314, 0.3014

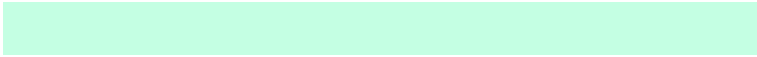


88.8018, 0.3650, 0.3669



# Rectangle

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



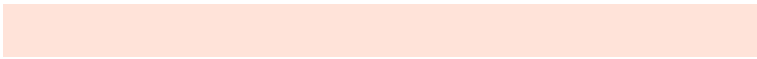
88.8018, 0.2929, 0.3592



88.8018, 0.2624, 0.3157



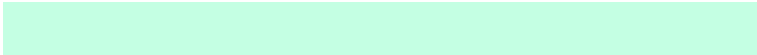
88.8018, 0.3314, 0.3014



88.8018, 0.3658, 0.3385

# Sweetspot

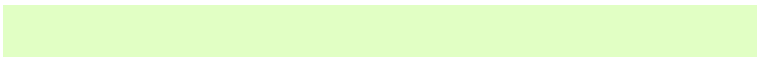
The Sweet Spot groups the original color and five complimentary colors.



88.8055, 0.2929, 0.3592



96.2363, 0.3066, 0.3374



91.4363, 0.3276, 0.3908



20.5324, 0.3060, 0.3381



0.0000, 0.0000, 0.0000

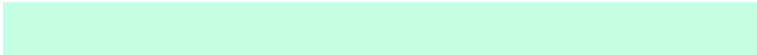


21.4041, 0.3127, 0.3290

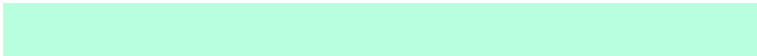


# Same Dimension

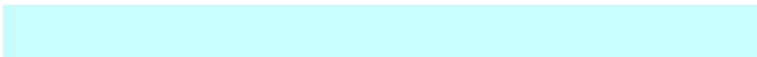
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8055, 0.2929, 0.3592



86.8862, 0.2890, 0.3666



89.8529, 0.2783, 0.3279



20.3275, 0.3044, 0.3405



38.2989, 0.2702, 0.4926



3.7511, 0.2646, 0.4725



# Inverse Universe

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



66.1680, 0.3384, 0.3007



60.4114, 0.3454, 0.2944



65.2172, 0.3604, 0.3302



18.1308, 0.3219, 0.3178



11.8613, 0.5071, 0.2567

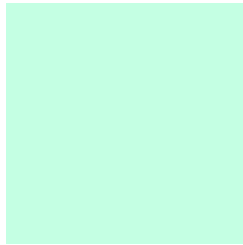


1.1768, 0.4803, 0.2419



# Previews

## White Background



This preview shows how the Yxy color 88.8018, 0.2929, 0.3592 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

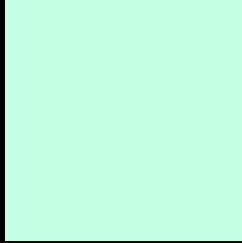
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.8018, 0.2929, 0.3592 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

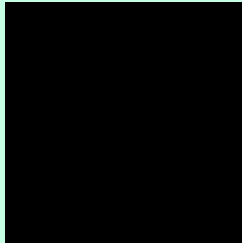
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

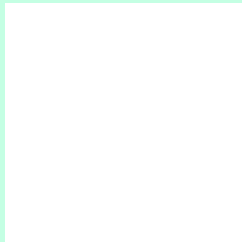
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.8018, 0.2929, 0.3592**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8018, 0.2929, 0.3592.

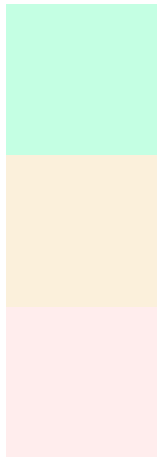


This preview shows how white text looks on a background with the Yxy color 88.8018, 0.2929, 0.3592.

# 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

88.8018, 0.2929, 0.3592

### Protanopia

87.9439, 0.3332, 0.3500

### Deuteranopia

87.9428, 0.3248, 0.3290



## Tritanopia

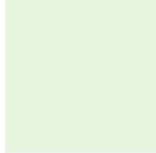
88.3721, 0.2938, 0.3188

# Trichromacy



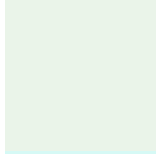
## Original Color

88.8018, 0.2929, 0.3592



## Protanomaly

87.5677, 0.3174, 0.3528



## Deuteranomaly

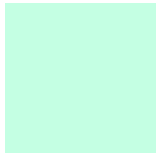
88.0770, 0.3128, 0.3402



## Tritanomaly

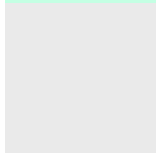
88.6401, 0.2934, 0.3331

# Monochromacy



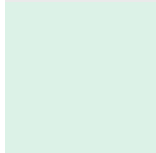
## Original Color

88.8018, 0.2929, 0.3592



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

84.4894, 0.3051, 0.3405

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.8018, 0.2929, 0.3592 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(196, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 227)  
}
```

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(196, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8018, 0.2929, 0.3592 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(196, 255, 227) }
```

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

```
.border{ border-color:rgb(196, 255, 227) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(196, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8018, 0.2929, 0.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 227) }
```

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

```
.background{ background-color: rgb(196,  
255, 227) }
```

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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