

# Converting Colors

$Y_{xy}(132.9249, 0.2996, 0.4243)$

Have a look what the booklet for  
Yxy(132.9249, 0.2996, 0.4243)  
contains.

<b>Yxy(88.5355, 0.2994, 0.3703)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(88.5355, 0.2994, 0.3703)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6FFD9
RGB	198, 255, 217
RGB Percent	78%, 100%, 85%
CMY	0.2233, 0.0000, 0.1490
CMYK	0.22, 0.00, 0.15, 0.00
HSL	140°, 100%, 89%
HSV	140°, 22%, 100%
XYZ	71.5839, 88.5355, 78.9718
YIQ	233.6250, -21.7740, -23.9020

# Conversions

## Conversions Part 2

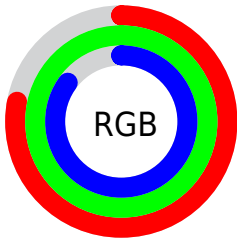
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 241, 255
Decimal	13041625
CIELab	95.39, -25.20, 12.35
CIELCh	95, 28.062, 153.889
Yxy	88.5355, 0.2994, 0.3703
Android (android.graphics.Color)	4291231705 (0xFFC6FFD9)
YUV	233.6250, -8.1961, -31.2431
Hunter-Lab	94.0933, -28.8648, 16.1036

# Details

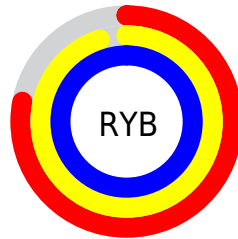
The Yxy color **88.5355, 0.2994, 0.3703** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.7273, 0.3291, 0.2910**, and the grayscale version is **82.0662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.8364, 0.2961, 0.3801** is the 20% darker color. If you saturate the color by 10%, you get **84.5198, 0.2939, 0.3923**, and if you desaturate by 10%, it is **93.2332, 0.3053, 0.3505**.

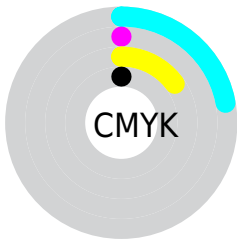
# Distribution



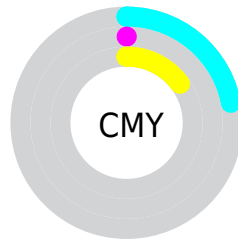
- Red (78%)
- Green (100%)
- Blue (85%)



- Red (78%)
- Yellow (95%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.5355, 0.2994, 0.3703 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 88.5355, 0.2994, 0.3703 by changing the saturation by 10% instead.



 88.5355, 0.2994,  
0.3703

 88.5355, 0.2994,  
0.3703

523.2553, 0.3056,  
0.3513

 66.7666, 0.2980,  
0.3746

145.3025, 0.3016,  
0.3637

 48.8950, 0.2962,  
0.3800


181.0693, 0.3024,  
0.3611

 34.5362, 0.2939,  
0.3867


222.2710, 0.3031,  
0.3589

 23.3058, 0.2909,  
0.3955

269.2919, 0.3038,  
0.3570

 14.8195, 0.2868,  
0.4074

322.5164, 0.3043,  
0.3553

 8.6928, 0.2809,  
0.4245

382.3288, 0.3048,

 4.5414, 0.2714,

0.3538

0.4509

449.1137, 0.3052,  
0.3525

■ 1.9808, 0.2545,  
0.4969

■ 0.5963, 0.0000,  
1.0000

■ 88.5355, 0.2994,  
0.3703

■ 88.5355, 0.2994,  
0.3703

■ 84.5198, 0.2939,  
0.3923

■ 93.2332, 0.3053,  
0.3505

■ 81.1429, 0.2890,  
0.4161

■ 98.6315, 0.3113,  
0.3328

■ 78.3741, 0.2851,  
0.4415

■ 99.9961, 0.3127,  
0.3290

■ 76.1754, 0.2825,  
0.4676

■ 74.5044, 0.2815,  
0.4935

■ 73.3126, 0.2822,  
0.5181

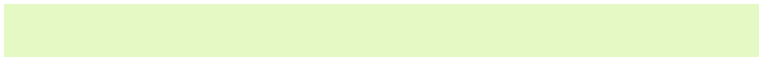
■ 72.5416, 0.2847,  
0.5401

■ 72.1709, 0.2874,  
0.5547

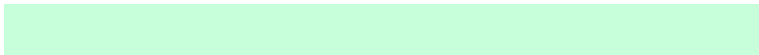
# Harmonies

## Analogous

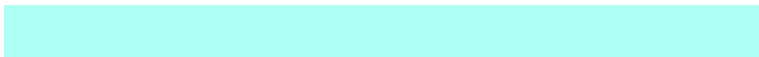
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5355, 0.3311, 0.3847



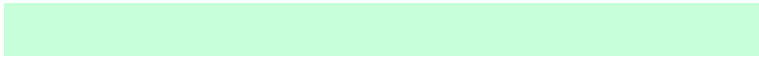
88.5355, 0.2994, 0.3703



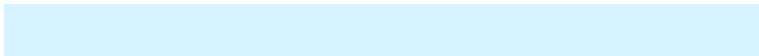
88.5355, 0.2723, 0.3430

# Triad

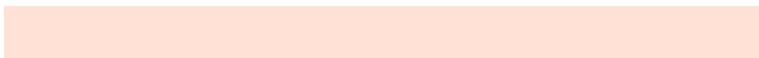
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5355, 0.2994, 0.3703



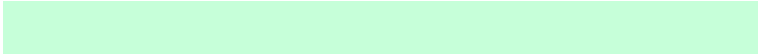
88.5355, 0.2672, 0.2778



88.5355, 0.3727, 0.3402

# Complementary

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



88.5355, 0.2994, 0.3703



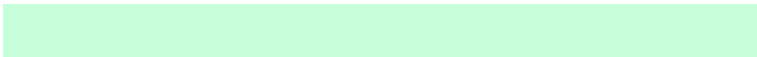
67.7273, 0.3291, 0.2910

# 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.



88.5355, 0.3539, 0.3141



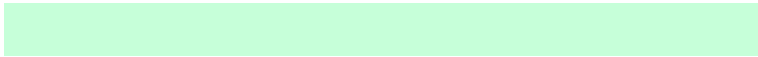
88.5355, 0.2994, 0.3703



88.5355, 0.2922, 0.2792

# Square

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



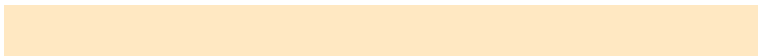
88.5355, 0.2994, 0.3703



88.5355, 0.2544, 0.2894



88.5355, 0.3239, 0.2923

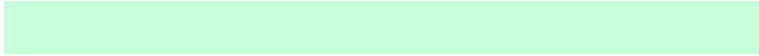


88.5355, 0.3744, 0.3650



# Rectangle

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



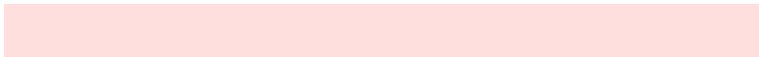
88.5355, 0.2994, 0.3703



88.5355, 0.2600, 0.3226



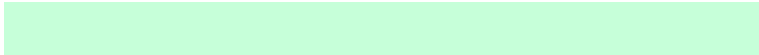
88.5355, 0.3239, 0.2923



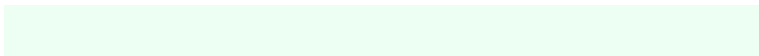
88.5355, 0.3682, 0.3314

# Sweetspot

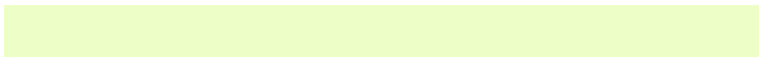
The Sweet Spot groups the original color and five complimentary colors.



88.5392, 0.2994, 0.3703



96.0272, 0.3085, 0.3408



93.5935, 0.3346, 0.3872



20.4840, 0.3081, 0.3419



0.0000, 0.0000, 0.0000

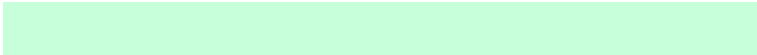


21.4041, 0.3127, 0.3290

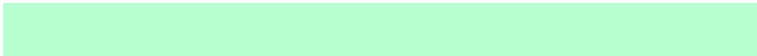


# Same Dimension

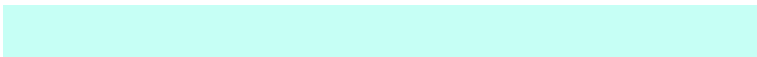
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5392, 0.2994, 0.3703



86.5855, 0.2968, 0.3803



90.0940, 0.2848, 0.3400



20.2680, 0.3070, 0.3453



37.7375, 0.2866, 0.5517



3.6937, 0.2803, 0.5291



# Inverse Universe

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



67.7273, 0.3291, 0.2910



62.2711, 0.3333, 0.2828



66.2478, 0.3503, 0.3184



18.1915, 0.3189, 0.3133



12.6554, 0.4276, 0.2129

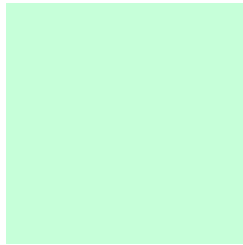


1.2525, 0.4123, 0.2045



# Previews

## White Background



This preview shows how the Yxy color 88.5355, 0.2994, 0.3703 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

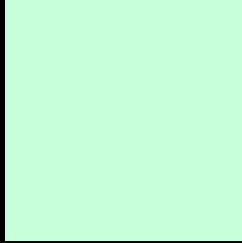
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.5355, 0.2994, 0.3703 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

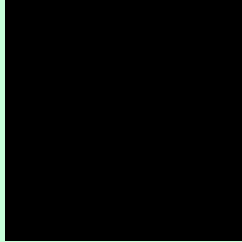
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

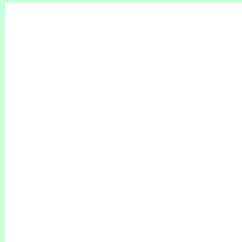
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.5355, 0.2994, 0.3703**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.5355, 0.2994, 0.3703.

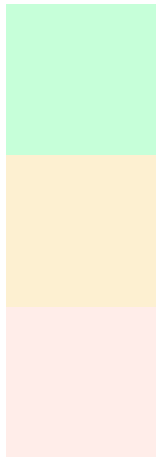


This preview shows how white text looks on a background with the Yxy color 88.5355, 0.2994, 0.3703.

# 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

88.5355, 0.2994, 0.3703

### Protanopia

87.8063, 0.3411, 0.3601

### Deuteranopia

87.7116, 0.3274, 0.3330



## Tritanopia

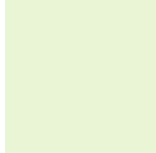
88.5324, 0.2944, 0.3188

# Trichromacy



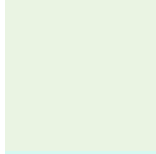
## Original Color

88.5355, 0.2994, 0.3703



## Protanomaly

87.3819, 0.3248, 0.3632



## Deuteranomaly

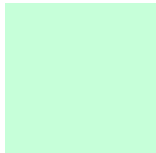
87.7398, 0.3164, 0.3464



## Tritanomaly

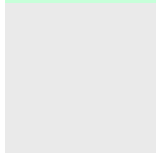
88.5493, 0.2963, 0.3373

# Monochromacy



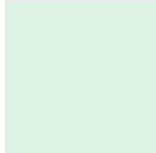
## Original Color

88.5355, 0.2994, 0.3703



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

84.4778, 0.3075, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.5355, 0.2994, 0.3703 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(198, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 217)  
}
```

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(198, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 88.5355, 0.2994, 0.3703 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(198, 255, 217) }
```

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

```
.border{ border-color:rgb(198, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.5355, 0.2994, 0.3703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 217) }
```

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

```
.background{ background-color: rgb(198,  
255, 217) }
```

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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