

# Converting Colors

$Y_{xy}(138.5902, 0.3218, 0.4645)$

Have a look what the booklet for  
Yxy(138.5902, 0.3218, 0.4645)  
contains.

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# Color

**Yxy(88.8805, 0.3304, 0.4122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5FFB2
RGB	213, 255, 178
RGB Percent	84%, 100%, 70%
CMY	0.1645, 0.0000, 0.3021
CMYK	0.16, 0.00, 0.30, 0.00
HSL	93°, 100%, 85%
HSV	93°, 30%, 100%
XYZ	71.2424, 88.8805, 55.5018
YIQ	233.6640, -0.3150, -32.8510

# Conversions

## Conversions Part 2

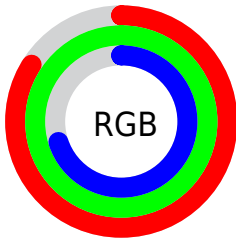
Format	Color
<a href="#">RYB</a>	<a href="#">178, 255, 220</a>
Decimal	<a href="#">14024626</a>
CIELab	<a href="#">95.53, -26.55, 32.53</a>
CIElCh	<a href="#">96, 41.986, 129.216</a>
Yxy	<a href="#">88.8805, 0.3304, 0.4122</a>
Android (android.graphics.Color)	<a href="#">4292214706</a> ( <a href="#">0xFFD5FFB2</a> )
YUV	<a href="#">233.6640, -27.4424, -18.1223</a>
Hunter-Lab	<a href="#">94.2765, -30.0957, 31.0887</a>

# Details

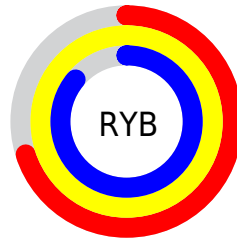
The Yxy color **88.8805, 0.3304, 0.4122** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.2516, 0.2892, 0.2472**, and the grayscale version is **82.2291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **49.0369, 0.3324, 0.4312** is the 20% darker color. If you saturate the color by 10%, you get **85.9643, 0.3352, 0.4429**, and if you desaturate by 10%, it is **92.1727, 0.3249, 0.3826**.

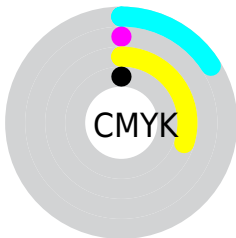
# Distribution



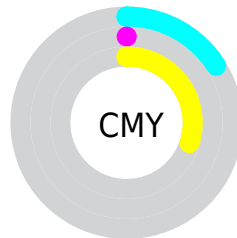
- Red (84%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (86%)



- Cyan (16%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8805, 0.3304, 0.4122 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 88.8805, 0.3304, 0.4122 by changing the saturation by 10% instead.




 88.8805, 0.3304,  
0.4122

 88.8805, 0.3304,  
0.4122


524.3824, 0.3235,  
0.3736

 67.0525, 0.3316,  
0.4210


 145.7824, 0.3283,  
0.3988

 49.1273, 0.3330,  
0.4318


181.6251, 0.3274,  
0.3936

 34.7205, 0.3345,  
0.4454


222.9081, 0.3266,  
0.3891

 23.4476, 0.3359,  
0.4630

270.0159, 0.3258,  
0.3852

 14.9244, 0.3370,  
0.4865

323.3328, 0.3252,  
0.3818

 8.7663, 0.3368,  
0.5192

383.2433, 0.3246,

 4.5891, 0.3332,

0.3787

0.5675

450.1317, 0.3240,  
0.3760

■ 2.0082, 0.3312,  
0.6688

■ 0.6123, 0.0000,  
1.0000

■ 88.8805, 0.3304,  
0.4122

■ 88.8805, 0.3304,  
0.4122

■ 85.9643, 0.3352,  
0.4429

■ 92.1727, 0.3249,  
0.3826

■ 83.3975, 0.3388,  
0.4736

■ 95.8434, 0.3189,  
0.3549

■ 81.1677, 0.3409,  
0.5030

■ 99.9096, 0.3128,  
0.3295

■ 79.2573, 0.3410,  
0.5292

■ 99.9990, 0.3127,  
0.3290

■ 77.6463, 0.3389,  
0.5508

■ 76.3117, 0.3348,  
0.5666

■ 75.2393, 0.3294,  
0.5767

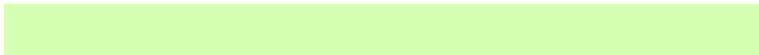
# Harmonies

## Analogous

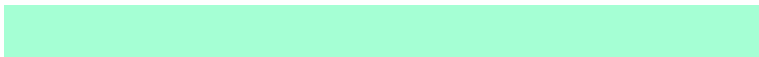
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8805, 0.3739, 0.4104



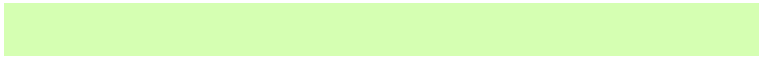
88.8805, 0.3304, 0.4122



88.8805, 0.2841, 0.3860

# Triad

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



88.8805, 0.3304, 0.4122



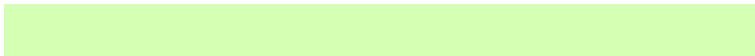
88.8805, 0.2296, 0.2655



88.8805, 0.3811, 0.3128

# Complementary

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



88.8805, 0.3304, 0.4122



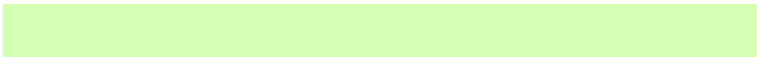
54.2516, 0.2892, 0.2472

# Split Complementary

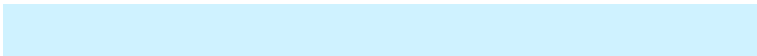
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.8805, 0.3374, 0.2805



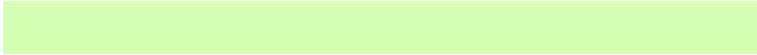
88.8805, 0.3304, 0.4122



88.8805, 0.2511, 0.2534

# Square

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



88.8805, 0.3304, 0.4122



88.8805, 0.2282, 0.2963



88.8805, 0.2895, 0.2593

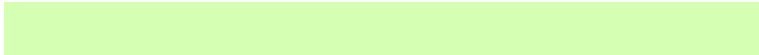


88.8805, 0.4053, 0.3504

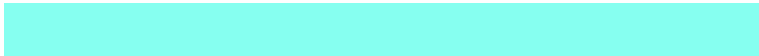


# Rectangle

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



88.8805, 0.3304, 0.4122



88.8805, 0.2579, 0.3569



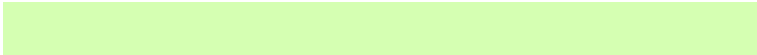
88.8805, 0.2895, 0.2593



88.8805, 0.3680, 0.3012

# Sweetspot

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



88.8844, 0.3304, 0.4122



96.3148, 0.3182, 0.3517



75.1622, 0.3686, 0.3713



20.4943, 0.3191, 0.3556



0.0000, 0.0000, 0.0000

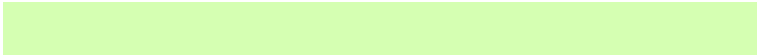


21.4041, 0.3127, 0.3290

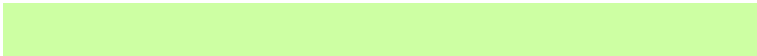


# Same Dimension

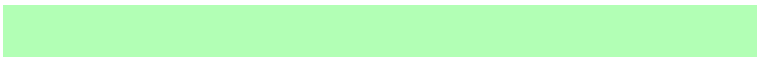
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8844, 0.3304, 0.4122



87.1505, 0.3333, 0.4299



84.2973, 0.3072, 0.4149



20.5732, 0.3185, 0.3531



39.4009, 0.3306, 0.5757



3.9003, 0.3393, 0.5688



# Inverse Universe

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



54.2516, 0.2892, 0.2472



47.6617, 0.2834, 0.2302



60.1431, 0.3182, 0.2559



17.8652, 0.3065, 0.3050



6.7258, 0.2111, 0.0936

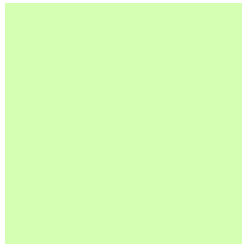


0.7198, 0.2228, 0.1001



# Previews

## White Background



This preview shows how the Yxy color 88.8805, 0.3304, 0.4122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

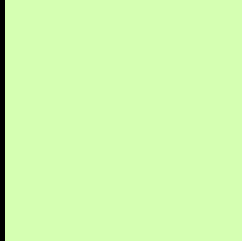
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.8805, 0.3304, 0.4122 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

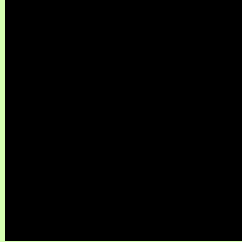
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

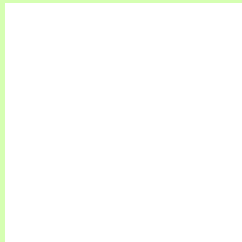
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.8805, 0.3304, 0.4122**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8805, 0.3304, 0.4122.

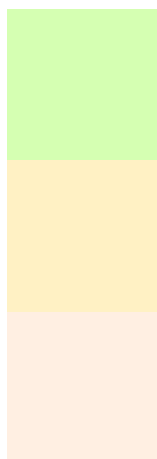


This preview shows how white text looks on a background with the Yxy color 88.8805, 0.3304, 0.4122.

# 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

88.8805, 0.3304, 0.4122

### Protanopia

88.1561, 0.3507, 0.3740

### Deuteranopia

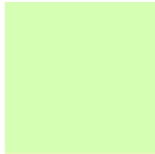
88.4840, 0.3316, 0.3419



## Tritanopia

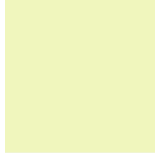
88.4770, 0.2987, 0.3170

# Trichromacy



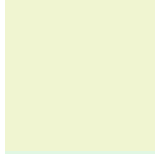
## Original Color

88.8805, 0.3304, 0.4122



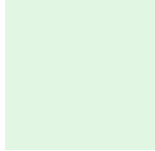
## Protanomaly

88.1109, 0.3436, 0.3878



## Deuteranomaly

88.4335, 0.3314, 0.3659



## Tritanomaly

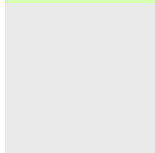
88.0751, 0.3105, 0.3498

# Monochromacy



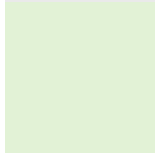
## Original Color

88.8805, 0.3304, 0.4122



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

84.5281, 0.3192, 0.3586

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.8805, 0.3304, 0.4122 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(213, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 178)  
}
```

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(213, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8805, 0.3304, 0.4122 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(213, 255, 178) }
```

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

```
.border{ border-color:rgb(213, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8805, 0.3304, 0.4122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 178) }
```

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

```
.background{ background-color: rgb(213,  
255, 178) }
```

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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