

# Converting Colors

Yxy(88.9626, 0.3121, 0.3813)

Have a look what the booklet for  
Yxy(88.9626, 0.3121, 0.3813)  
contains.

<b>Yxy(88.8952, 0.3121, 0.3807)</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(88.8952, 0.3121, 0.3807)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FECE
RGB	209, 254, 206
RGB Percent	82%, 100%, 81%
CMY	0.1805, 0.0039, 0.1920
CMYK	0.18, 0.00, 0.19, 0.00
HSL	116°, 96%, 90%
HSV	116°, 19%, 100%
XYZ	72.8768, 88.8952, 71.7326
YIQ	235.0730, -11.4120, -24.4680

# Conversions

## Conversions Part 2

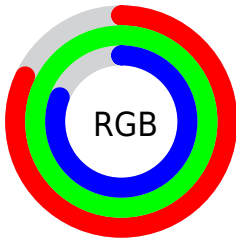
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 254, 251
Decimal	13762254
CIE Lab	95.54, -23.13, 18.28
CIE LCh	96, 29.476, 141.677
Yxy	88.8952, 0.3121, 0.3807
Android (android.graphics.Color)	4291952334 (0xFFD1FECE)
YUV	235.0730, -14.3330, -22.8660
Hunter-Lab	94.2843, -27.0263, 20.8904

# Details

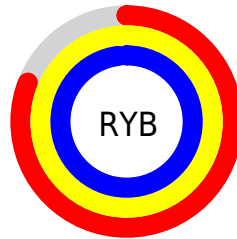
The Yxy color **88.8952, 0.3121, 0.3807** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.8373, 0.3128, 0.2817**, and the grayscale version is **83.2560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.0695, 0.3113, 0.3921** is the 20% darker color. If you saturate the color by 10%, you get **84.5414, 0.3115, 0.4128**, and if you desaturate by 10%, it is **93.9764, 0.3125, 0.3518**.

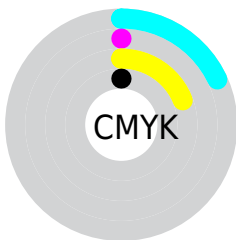
# Distribution



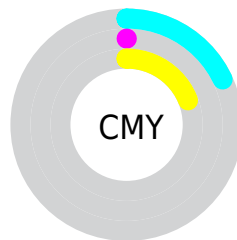
- Red (82%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (98%)



- Cyan (18%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8952, 0.3121, 0.3807 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 88.8952, 0.3121, 0.3807 by changing the saturation by 10% instead.



 88.8952, 0.3121,  
0.3807

 88.8952, 0.3121,  
0.3807

524.4304, 0.3128,  
0.3568

 67.0647, 0.3119,  
0.3861

145.8028, 0.3124,  
0.3724

 49.1372, 0.3115,  
0.3928


181.6487, 0.3125,  
0.3692

 34.7283, 0.3110,  
0.4013


222.9352, 0.3126,  
0.3664

 23.4537, 0.3102,  
0.4123


270.0467, 0.3126,  
0.3640

 14.9289, 0.3089,  
0.4273

323.3676, 0.3127,  
0.3619

 8.7695, 0.3066,  
0.4486

383.2822, 0.3127,

 4.5911, 0.3021,

0.3600

0.4813

450.1750, 0.3128,  
0.3583

■ 2.0094, 0.2953,  
0.5437

■ 0.6129, 0.0286,  
0.9714

■ 88.8952, 0.3121,  
0.3807

■ 88.8952, 0.3121,  
0.3807

■ 84.5414, 0.3115,  
0.4128

■ 93.9764, 0.3125,  
0.3518

■ 80.8711, 0.3105,  
0.4474

99.3679, 0.3128,  
0.3281

■ 77.8528, 0.3093,  
0.4831

■ 75.4484, 0.3078,  
0.5178

■ 73.6157, 0.3061,  
0.5489

■ 72.3071, 0.3042,  
0.5737

■ 71.4673, 0.3025,  
0.5903

■ 71.0252, 0.3010,  
0.5986

■ 70.9946, 0.3009,  
0.5993

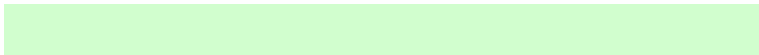
# Harmonies

## Analogous

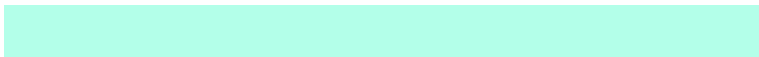
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8952, 0.3447, 0.3885



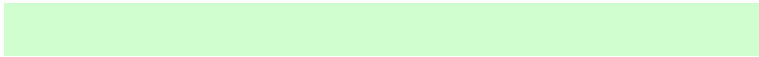
88.8952, 0.3121, 0.3807



88.8952, 0.2808, 0.3564

# Triad

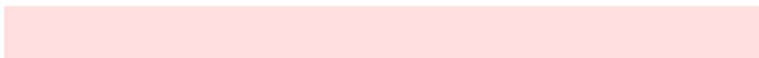
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.8952, 0.3121, 0.3807



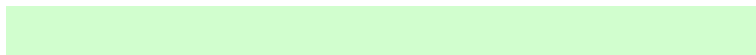
88.8952, 0.2579, 0.2787



88.8952, 0.3696, 0.3293

# Complementary

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



88.8952, 0.3121, 0.3807



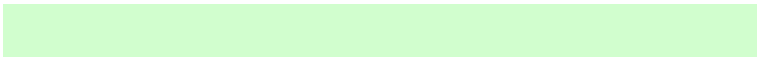
71.8373, 0.3128, 0.2817

# 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.



88.8952, 0.3440, 0.3033



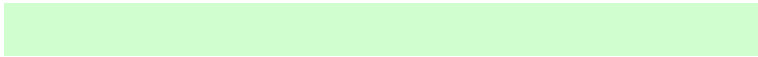
88.8952, 0.3121, 0.3807



88.8952, 0.2793, 0.2747

# Square

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



88.8952, 0.3121, 0.3807



88.8952, 0.2506, 0.2961



88.8952, 0.3105, 0.2838

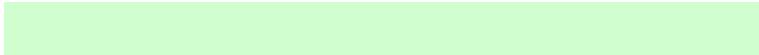


88.8952, 0.3791, 0.3566



# Rectangle

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



88.8952, 0.3121, 0.3807



88.8952, 0.2646, 0.3353



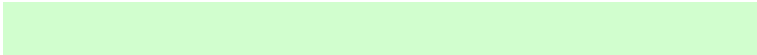
88.8952, 0.3105, 0.2838



88.8952, 0.3626, 0.3202

# Sweetspot

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



88.8990, 0.3121, 0.3807



96.4309, 0.3126, 0.3441



94.4051, 0.3418, 0.3732



20.5606, 0.3126, 0.3458



0.0000, 0.0000, 0.0000

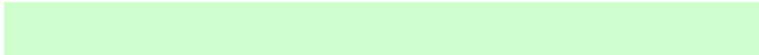


21.4041, 0.3127, 0.3290

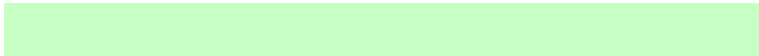


# Same Dimension

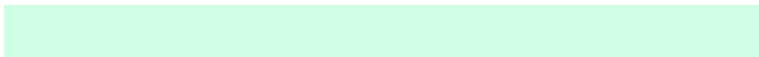
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8990, 0.3121, 0.3807



87.7943, 0.3119, 0.3936



89.5515, 0.2988, 0.3579



20.2214, 0.3125, 0.3535



37.4471, 0.3013, 0.5990



3.6639, 0.3042, 0.5966



# Inverse Universe

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



71.8373, 0.3128, 0.2817



67.4410, 0.3127, 0.2711



71.1286, 0.3296, 0.3018



18.2402, 0.3128, 0.3055



13.4162, 0.3055, 0.1457

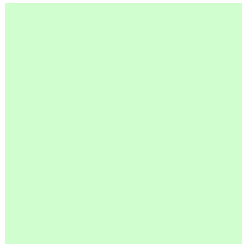


1.3228, 0.3074, 0.1467



# Previews

## White Background



This preview shows how the Yxy color 88.8952, 0.3121, 0.3807 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

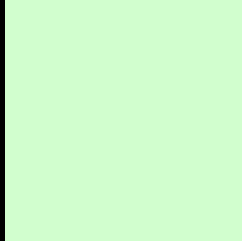
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.8952, 0.3121, 0.3807 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

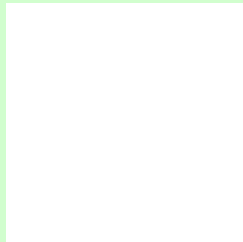
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.8952, 0.3121, 0.3807**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8952, 0.3121, 0.3807.

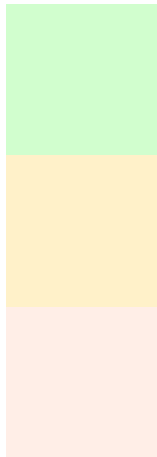


This preview shows how white text looks on a background with the Yxy color 88.8952, 0.3121, 0.3807.

# 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

88.8952, 0.3121, 0.3807

### Protanopia

88.3876, 0.3475, 0.3690

### Deuteranopia

88.1786, 0.3285, 0.3359



## Tritanopia

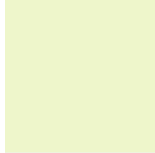
88.7444, 0.2975, 0.3179

# Trichromacy



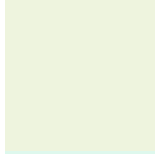
## Original Color

88.8952, 0.3121, 0.3807



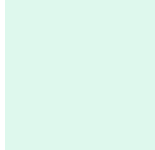
## Protanomaly

88.4005, 0.3336, 0.3733



## Deuteranomaly

88.1524, 0.3221, 0.3515



## Tritanomaly

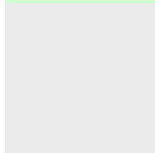
88.7788, 0.3028, 0.3403

# Monochromacy



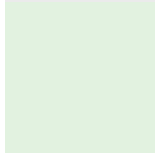
## Original Color

88.8952, 0.3121, 0.3807



## Achromatopsia

83.0770, 0.3127, 0.3290



## Achromatomaly

85.0548, 0.3131, 0.3478

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.8952, 0.3121, 0.3807 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(209, 254, 206)` looks like.

```
.text, #text, p{  
    color:rgb(209, 254, 206)  
}
```

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(209, 254, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 254, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8952, 0.3121, 0.3807 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(209, 254, 206) }
```

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

```
.border{ border-color:rgb(209, 254, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 254, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 254, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 254, 206);  
box-shadow:4px 4px 4px 4px rgb(209, 254,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8952, 0.3121, 0.3807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 254, 206) }
```

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

```
.background{ background-color: rgb(209,  
254, 206) }
```

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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