

# Converting Colors

Yxy(89.4164, 0.3120, 0.3824)

Have a look what the booklet for  
Yxy(89.4164, 0.3120, 0.3824)  
contains.

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# **Color**

**Yxy(89.3377, 0.3120, 0.3829)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0FFCD
RGB	208, 255, 205
RGB Percent	82%, 100%, 80%
CMY	0.1843, 0.0000, 0.1959
CMYK	0.18, 0.00, 0.20, 0.00
HSL	116°, 100%, 90%
HSV	116°, 20%, 100%
XYZ	72.7954, 89.3377, 71.1855
YIQ	235.2470, -11.9620, -25.5140

# Conversions

## Conversions Part 2

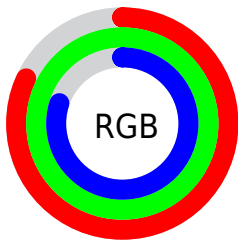
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 255, 252
Decimal	13696973
CIE <sub>Lab</sub>	95.72, -24.09, 19.04
CIE <sub>LCh</sub>	96, 30.707, 141.680
Yxy	89.3377, 0.3120, 0.3829
Android (android.graphics.Color)	4291887053 (0xFFD0FFCD)
YUV	235.2470, -14.9118, -23.8956
Hunter-Lab	94.5186, -27.9322, 21.5095

# Details

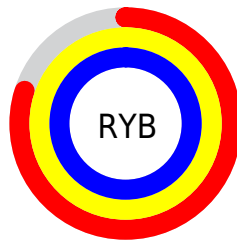
The Yxy color **89.3377, 0.3120, 0.3829** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.6007, 0.3129, 0.2798**, and the grayscale version is **83.4014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3948, 0.3112, 0.3949** is the 20% darker color. If you saturate the color by 10%, you get **84.9889, 0.3113, 0.4152**, and if you desaturate by 10%, it is **94.4171, 0.3125, 0.3538**.

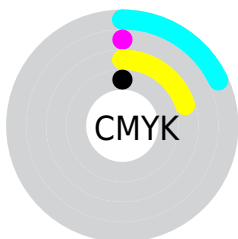
# Distribution



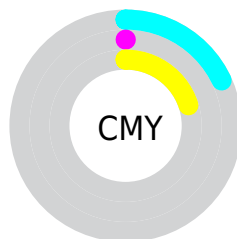
- Red (82%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (99%)



- Cyan (18%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.3377, 0.3120, 0.3829 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 89.3377, 0.3120, 0.3829 by changing the saturation by 10% instead.




 89.3377, 0.3120,  
0.3829

 89.3377, 0.3120,  
0.3829

525.8741, 0.3128,  
0.3580

 67.4315, 0.3117,  
0.3886


146.4181, 0.3123,  
0.3743

 49.4353, 0.3113,  
0.3956

182.3610, 0.3125,  
0.3709

 34.9650, 0.3108,  
0.4044


223.7517, 0.3125,  
0.3680

 23.6359, 0.3099,  
0.4159

270.9744, 0.3126,  
0.3655

 15.0637, 0.3085,  
0.4315

324.4136, 0.3127,  
0.3633

 8.8641, 0.3060,  
0.4537

384.4537, 0.3127,

 4.6527, 0.3011,

0.3613

0.4877

451.4790, 0.3127,  
0.3596

■ 2.0449, 0.2940,  
0.5534

■ 0.6334, 0.0215,  
0.9785

■ 89.3377, 0.3120,  
0.3829

■ 89.3377, 0.3120,  
0.3829

■ 84.9889, 0.3113,  
0.4152

■ 94.4171, 0.3125,  
0.3538

■ 81.3312, 0.3104,  
0.4499

100.0000, 0.3127,  
0.3290

■ 78.3309, 0.3091,  
0.4857

■ 75.9488, 0.3076,  
0.5203

■ 74.1419, 0.3058,  
0.5510

■ 72.8613, 0.3040,  
0.5753

■ 72.0503, 0.3023,  
0.5913

■ 71.6335, 0.3009,  
0.5991

■ 71.6228, 0.3009,  
0.5993

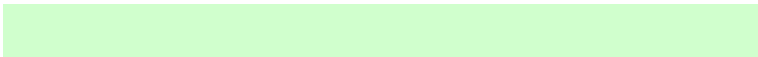
# Harmonies

## Analogous

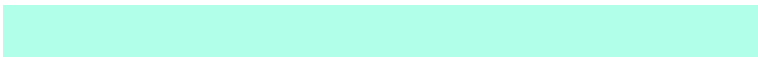
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3377, 0.3459, 0.3909



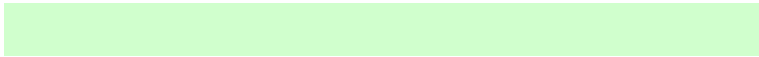
89.3377, 0.3120, 0.3829



89.3377, 0.2795, 0.3575

# Triad

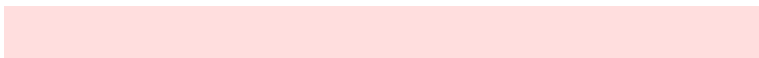
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.3377, 0.3120, 0.3829



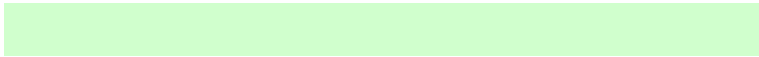
89.3377, 0.2558, 0.2767



89.3377, 0.3719, 0.3293

# Complementary

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



89.3377, 0.3120, 0.3829



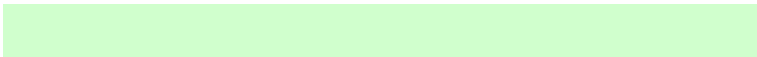
71.6007, 0.3129, 0.2798

# 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.



89.3377, 0.3452, 0.3023



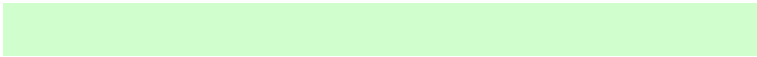
89.3377, 0.3120, 0.3829



89.3377, 0.2779, 0.2727

# Square

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



89.3377, 0.3120, 0.3829



89.3377, 0.2482, 0.2947



89.3377, 0.3104, 0.2821

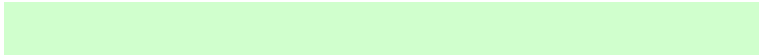


89.3377, 0.3817, 0.3575



# Rectangle

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



89.3377, 0.3120, 0.3829



89.3377, 0.2628, 0.3355



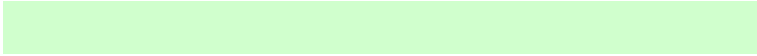
89.3377, 0.3104, 0.2821



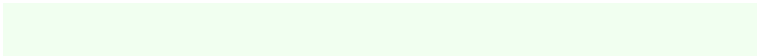
89.3377, 0.3646, 0.3198

# Sweetspot

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



89.3398, 0.3120, 0.3829



96.4255, 0.3126, 0.3441



95.0825, 0.3429, 0.3749



20.5593, 0.3126, 0.3458



0.0000, 0.0000, 0.0000

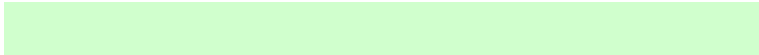


21.4041, 0.3127, 0.3290

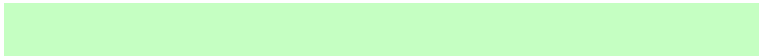


# Same Dimension

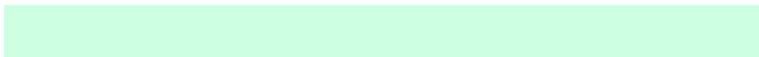
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3398, 0.3120, 0.3829



87.3353, 0.3117, 0.3968



90.0328, 0.2983, 0.3591



20.2196, 0.3125, 0.3535



37.4444, 0.3012, 0.5990



3.6631, 0.3041, 0.5967



# Inverse Universe

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



71.6007, 0.3129, 0.2798



66.2916, 0.3128, 0.2686



70.8425, 0.3304, 0.3007



18.2422, 0.3129, 0.3055



13.4626, 0.3060, 0.1460

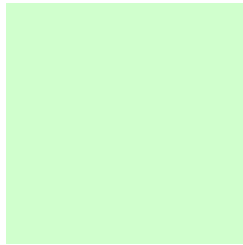


1.3268, 0.3078, 0.1469



# Previews

## White Background



This preview shows how the Yxy color 89.3377, 0.3120, 0.3829 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

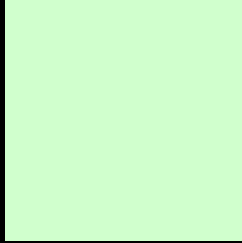
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.3377, 0.3120, 0.3829 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

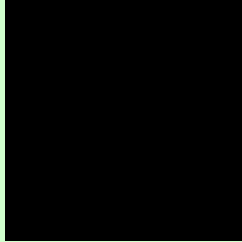
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

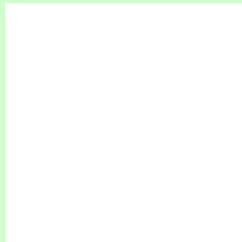
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.3377, 0.3120, 0.3829**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.3377, 0.3120, 0.3829.

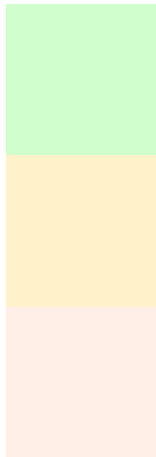


This preview shows how white text looks on a background with the Yxy color 89.3377, 0.3120, 0.3829.

# 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

89.3377, 0.3120, 0.3829

### Protanopia

89.0761, 0.3460, 0.3679

### Deuteranopia

88.7625, 0.3284, 0.3369



## Tritanopia

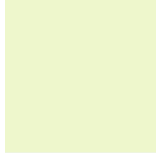
88.7444, 0.2975, 0.3179

# Trichromacy



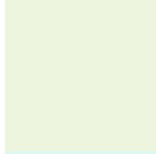
## Original Color

89.3377, 0.3120, 0.3829



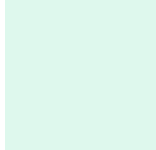
## Protanomaly

89.0583, 0.3328, 0.3732



## Deuteranomaly

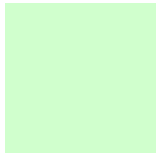
88.7559, 0.3220, 0.3525



## Tritanomaly

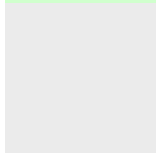
88.7788, 0.3028, 0.3403

# Monochromacy



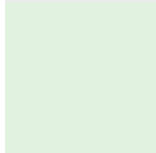
## Original Color

89.3377, 0.3120, 0.3829



## Achromatopsia

83.0770, 0.3127, 0.3290



## Achromatomaly

84.8936, 0.3125, 0.3479

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.3377, 0.3120, 0.3829 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(208, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 205)  
}
```

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(208, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 89.3377, 0.3120, 0.3829 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(208, 255, 205) }
```

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

```
.border{ border-color:rgb(208, 255, 205) }
```

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

Here you see how a box with a 4 pixel rgb(208, 255, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.3377, 0.3120, 0.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 205) }
```

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

```
.background{ background-color: rgb(208,  
255, 205) }
```

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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