

# Converting Colors

$Y_{xy}(100.0000, 0.3043, 0.3891)$

Have a look what the booklet for  
Yxy(100.0000, 0.3043, 0.3891)  
contains.

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# Color

**Yxy(89.2124, 0.3046, 0.3733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFD6
RGB	204, 255, 214
RGB Percent	80%, 100%, 84%
CMY	0.2000, 0.0000, 0.1609
CMYK	0.20, 0.00, 0.16, 0.00
HSL	132°, 100%, 90%
HSV	132°, 20%, 100%
XYZ	72.7943, 89.2124, 76.9765
YIQ	235.0770, -17.2350, -23.5630

# Conversions

## Conversions Part 2

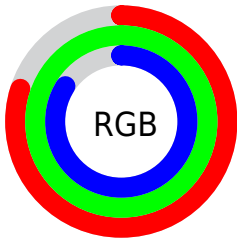
Format	Color
<a href="#">RYB</a>	<a href="#">204, 247, 255</a>
Decimal	<a href="#">13434838</a>
CIELab	<a href="#">95.67, -23.87, 14.37</a>
CIELCh	<a href="#">96, 27.858, 148.959</a>
Yxy	<a href="#">89.2124, 0.3046, 0.3733</a>
Android (android.graphics.Color)	<a href="#">4291624918</a> ( <a href="#">0xFFCCFFD6</a> )
YUV	<a href="#">235.0770, -10.3910, -27.2545</a>
Hunter-Lab	<a href="#">94.4523, -27.7219, 17.7966</a>

# Details

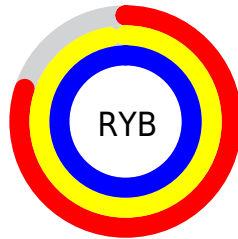
The Yxy color **89.2124, 0.3046, 0.3733** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.0377, 0.3220, 0.2884**, and the grayscale version is **83.2249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2809, 0.3026, 0.3838** is the 20% darker color. If you saturate the color by 10%, you get **84.9140, 0.3007, 0.3995**, and if you desaturate by 10%, it is **94.2277, 0.3087, 0.3498**.

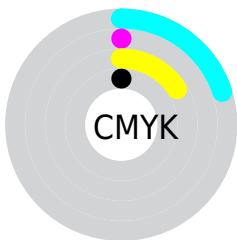
# Distribution



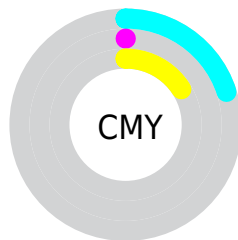
- Red (80%)
- Green (100%)
- Blue (84%)



- Red (80%)
- Yellow (97%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.2124, 0.3046, 0.3733 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 89.2124, 0.3046, 0.3733 by changing the saturation by 10% instead.




 89.2124, 0.3046,  
0.3733

 89.2124, 0.3046,  
0.3733

525.4655, 0.3085,  
0.3529

 67.3276, 0.3037,  
0.3779

146.2439, 0.3060,  
0.3662

 49.3509, 0.3025,  
0.3837


182.1594, 0.3065,  
0.3635

 34.8979, 0.3010,  
0.3909


223.5206, 0.3070,  
0.3611

 23.5843, 0.2989,  
0.4003

270.7118, 0.3074,  
0.3591

 15.0255, 0.2960,  
0.4130

324.1175, 0.3077,  
0.3572

 8.8373, 0.2917,  
0.4312

384.1221, 0.3080,

 4.6352, 0.2846,

0.3556

0.4593

451.1100, 0.3083,  
0.3542

■ 2.0349, 0.2712,  
0.5080

■ 0.6276, 0.0216,  
0.9784

■ 89.2124, 0.3046,  
0.3733

■ 89.2124, 0.3046,  
0.3733

■ 84.9140, 0.3007,  
0.3995

■ 94.2277, 0.3087,  
0.3498

■ 81.3064, 0.2971,  
0.4280

99.9988, 0.3127,  
0.3290

■ 78.3508, 0.2941,  
0.4582

100.0000, 0.3127,  
0.3290

■ 76.0078, 0.2920,  
0.4889

■ 74.2331, 0.2910,  
0.5184

■ 72.9768, 0.2914,  
0.5451

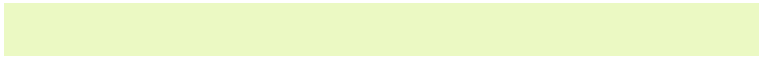
■ 72.1797, 0.2930,  
0.5670

■ 71.7490, 0.2953,  
0.5833

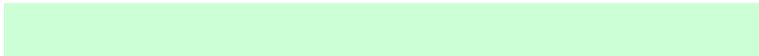
# Harmonies

## Analogous

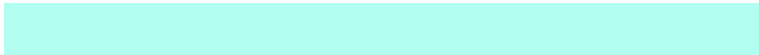
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2124, 0.3359, 0.3849



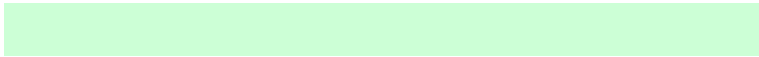
89.2124, 0.3046, 0.3733



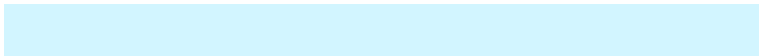
89.2124, 0.2765, 0.3478

# Triad

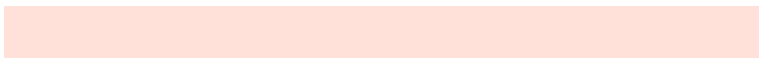
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.2124, 0.3046, 0.3733



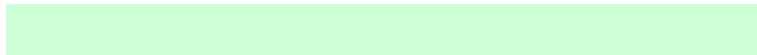
89.2124, 0.2646, 0.2793



89.2124, 0.3702, 0.3358

# Complementary

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



89.2124, 0.3046, 0.3733



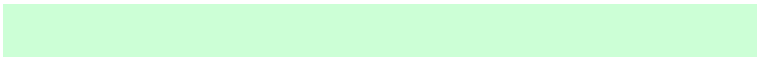
71.0377, 0.3220, 0.2884

# 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.



89.2124, 0.3492, 0.3103



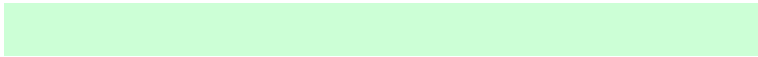
89.2124, 0.3046, 0.3733



89.2124, 0.2877, 0.2786

# Square

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



89.2124, 0.3046, 0.3733



89.2124, 0.2542, 0.2929



89.2124, 0.3185, 0.2898

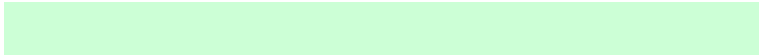


89.2124, 0.3748, 0.3610



# Rectangle

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



89.2124, 0.3046, 0.3733



89.2124, 0.2630, 0.3276



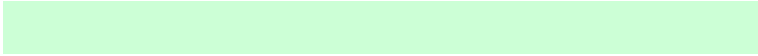
89.2124, 0.3185, 0.2898



89.2124, 0.3647, 0.3271

# Sweetspot

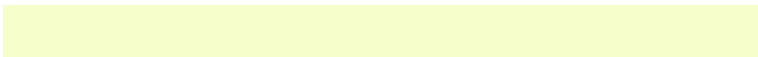
The Sweet Spot groups the original color and five complimentary colors.



89.2099, 0.3046, 0.3733



96.4452, 0.3103, 0.3411



95.4088, 0.3368, 0.3801



20.5640, 0.3100, 0.3425



0.0000, 0.0000, 0.0000

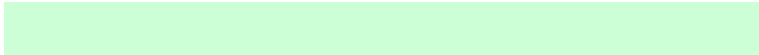


21.4041, 0.3127, 0.3290

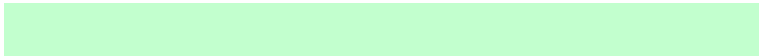


# Same Dimension

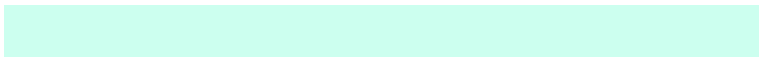
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2099, 0.3046, 0.3733



87.4076, 0.3030, 0.3835



90.5797, 0.2911, 0.3460



20.2262, 0.3089, 0.3487



37.5067, 0.2947, 0.5810



3.6663, 0.2894, 0.5618



# Inverse Universe

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



71.0377, 0.3220, 0.2884



66.2279, 0.3242, 0.2801



69.6184, 0.3403, 0.3127



18.2359, 0.3168, 0.3101



13.4374, 0.3777, 0.1854

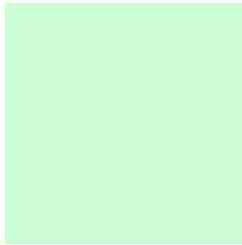


1.3232, 0.3700, 0.1812



# Previews

## White Background



This preview shows how the Yxy color 89.2124, 0.3046, 0.3733 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

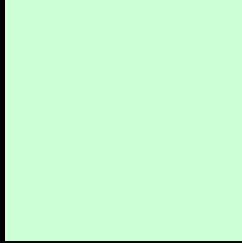
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.2124, 0.3046, 0.3733 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

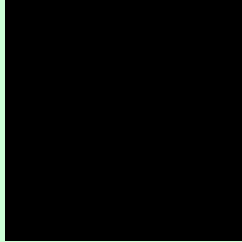
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

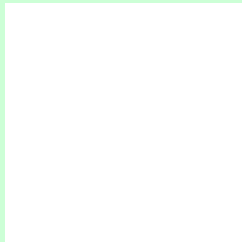
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.2124, 0.3046, 0.3733**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.2124, 0.3046, 0.3733.

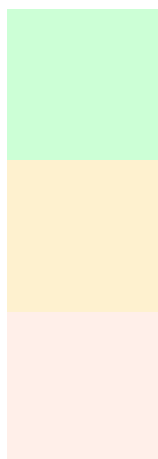


This preview shows how white text looks on a background with the Yxy color 89.2124, 0.3046, 0.3733.

# 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

89.2124, 0.3046, 0.3733

### Protanopia

88.4864, 0.3429, 0.3630

### Deuteranopia

88.8762, 0.3272, 0.3349



## Tritanopia

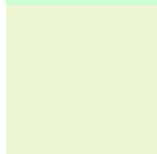
89.0188, 0.2962, 0.3189

# Trichromacy



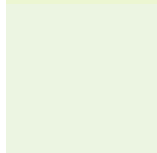
## Original Color

89.2124, 0.3046, 0.3733



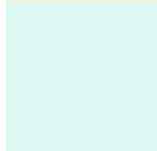
## Protanomaly

88.3975, 0.3280, 0.3661



## Deuteranomaly

88.6287, 0.3183, 0.3484



## Tritanomaly

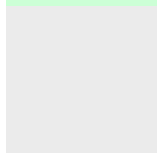
89.1027, 0.2992, 0.3383

# Monochromacy



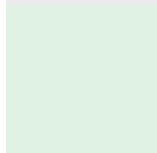
## Original Color

89.2124, 0.3046, 0.3733



## Achromatopsia

83.0770, 0.3127, 0.3290



## Achromatomaly

84.8976, 0.3100, 0.3447

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.2124, 0.3046, 0.3733 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(204, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 214)  
}
```

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(204, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 89.2124, 0.3046, 0.3733 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(204, 255, 214) }
```

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

```
.border{ border-color:rgb(204, 255, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.2124, 0.3046, 0.3733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 214) }
```

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

```
.background{ background-color: rgb(204,  
255, 214) }
```

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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