

# Converting Colors

$Yxy(89.4374, 0.3093, 0.3785)$

Have a look what the booklet for  
Yxy(89.4374, 0.3093, 0.3785)  
contains.

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# Color

**Yxy(89.3888, 0.3092, 0.3786)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFFFD1
RGB	207, 255, 209
RGB Percent	81%, 100%, 82%
CMY	0.1881, 0.0000, 0.1805
CMYK	0.19, 0.00, 0.18, 0.00
HSL	122°, 100%, 91%
HSV	122°, 19%, 100%
XYZ	73.0032, 89.3888, 73.7115
YIQ	235.4040, -13.8420, -24.4820

# Conversions

## Conversions Part 2

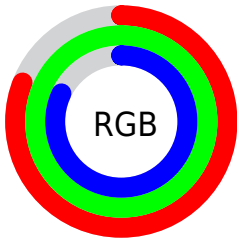
Format	Color
R <sub>Y</sub> B	207, 253, 255
Decimal	13631441
CIE Lab	95.74, -23.75, 17.05
CIE LCh	96, 29.234, 144.328
Yxy	89.3888, 0.3092, 0.3786
Android (android.graphics.Color)	4291821521 (0xFFCFFFD1)
YUV	235.4040, -13.0172, -24.9103
Hunter-Lab	94.5457, -27.6265, 19.9571

# Details

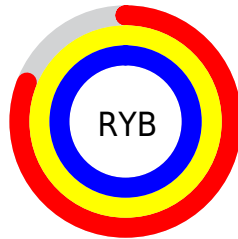
The Yxy color **89.3888, 0.3092, 0.3786** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.9928, 0.3163, 0.2840**, and the grayscale version is **83.5141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3967, 0.3083, 0.3907** is the 20% darker color. If you saturate the color by 10%, you get **84.8897, 0.3072, 0.4097**, and if you desaturate by 10%, it is **94.6722, 0.3111, 0.3507**.

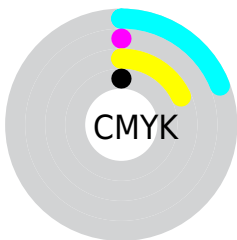
# Distribution



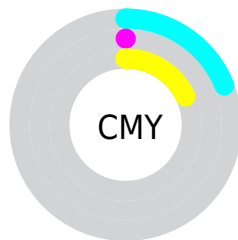
- Red (81%)
- Green (100%)
- Blue (82%)



- Red (81%)
- Yellow (99%)
- Blue (100%)



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.3888, 0.3092, 0.3786 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 89.3888, 0.3092, 0.3786 by changing the saturation by 10% instead.




 89.3888, 0.3092,  
0.3786

 89.3888, 0.3092,  
0.3786

526.0406, 0.3112,  
0.3557

 67.4738, 0.3087,  
0.3838

146.4891, 0.3099,  
0.3707

 49.4698, 0.3080,  
0.3902

182.4433, 0.3102,  
0.3676

 34.9923, 0.3071,  
0.3983


223.8459, 0.3104,  
0.3649

 23.6569, 0.3058,  
0.4089

271.0815, 0.3106,  
0.3626

 15.0793, 0.3039,  
0.4232

324.5343, 0.3108,  
0.3606

 8.8751, 0.3008,  
0.4436

384.5889, 0.3109,

 4.6598, 0.2952,

0.3588

0.4749

451.6295, 0.3110,  
0.3572

■ 2.0491, 0.2852,  
0.5317

■ 0.6357, 0.0371,  
0.9629

■ 89.3888, 0.3092,  
0.3786

■ 89.3888, 0.3092,  
0.3786

■ 84.8897, 0.3072,  
0.4097

■ 94.6722, 0.3111,  
0.3507

■ 81.1303, 0.3051,  
0.4434

100.0000, 0.3127,  
0.3290

■ 78.0734, 0.3032,  
0.4786

■ 75.6753, 0.3015,  
0.5131

■ 73.8875, 0.3002,  
0.5446

■ 72.6550, 0.2995,  
0.5702

■ 71.9126, 0.2993,  
0.5881

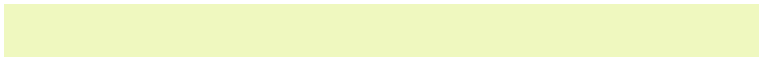
■ 71.5693, 0.2995,  
0.5976

■ 71.5427, 0.2995,  
0.5983

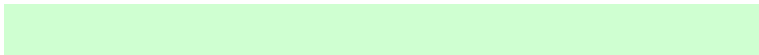
# Harmonies

## Analogous

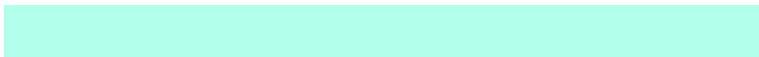
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3888, 0.3418, 0.3879



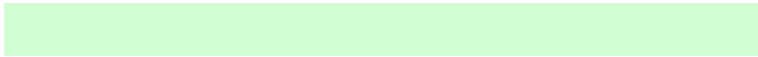
89.3888, 0.3092, 0.3786



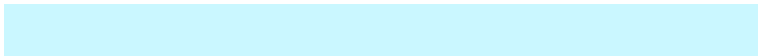
89.3888, 0.2787, 0.3535

# Triad

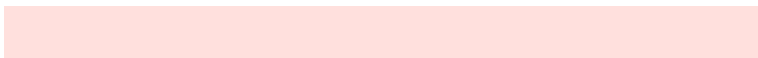
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.3888, 0.3092, 0.3786



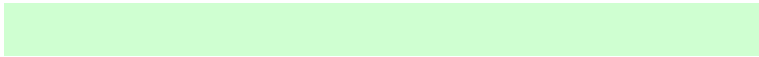
89.3888, 0.2597, 0.2783



89.3888, 0.3706, 0.3318

# Complementary

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



89.3888, 0.3092, 0.3786



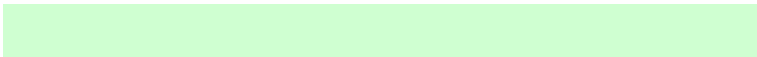
72.9928, 0.3163, 0.2840

# 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.



89.3888, 0.3464, 0.3056



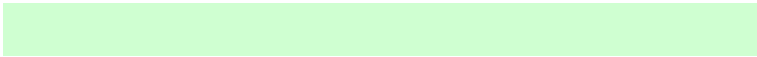
89.3888, 0.3092, 0.3786



89.3888, 0.2820, 0.2755

# Square

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



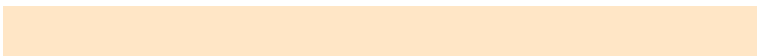
89.3888, 0.3092, 0.3786



89.3888, 0.2512, 0.2944



89.3888, 0.3135, 0.2855

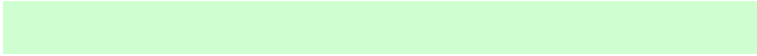


89.3888, 0.3783, 0.3586



# Rectangle

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



89.3888, 0.3092, 0.3786



89.3888, 0.2634, 0.3324



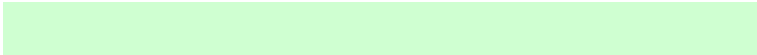
89.3888, 0.3135, 0.2855



89.3888, 0.3641, 0.3227

# Sweetspot

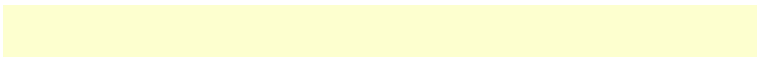
The Sweet Spot groups the original color and five complimentary colors.



89.3914, 0.3092, 0.3786



96.3033, 0.3116, 0.3435



96.9842, 0.3401, 0.3762



20.5306, 0.3115, 0.3452



0.0000, 0.0000, 0.0000

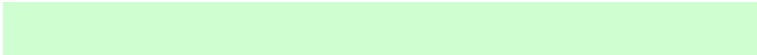


21.4041, 0.3127, 0.3290

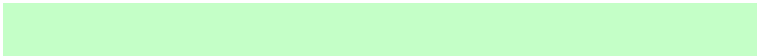


# Same Dimension

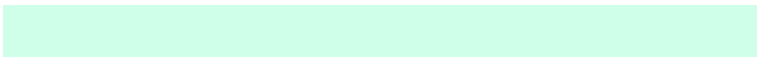
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3914, 0.3092, 0.3786



87.4140, 0.3084, 0.3913



90.6501, 0.2962, 0.3526



20.1801, 0.3110, 0.3526



37.3878, 0.2993, 0.5975



3.6443, 0.2977, 0.5917



# Inverse Universe

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



72.9928, 0.3163, 0.2840



67.9652, 0.3171, 0.2738



71.5782, 0.3330, 0.3066



18.2869, 0.3144, 0.3065



14.5473, 0.3314, 0.1599

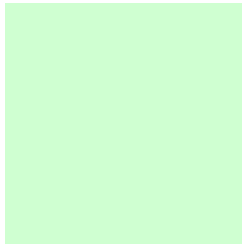


1.4202, 0.3301, 0.1592



# Previews

## White Background



This preview shows how the Yxy color 89.3888, 0.3092, 0.3786 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

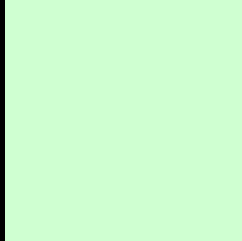
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.3888, 0.3092, 0.3786 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

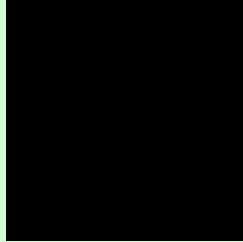
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

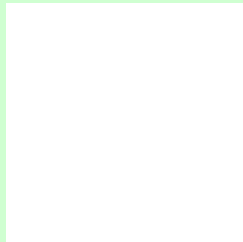
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.3888, 0.3092, 0.3786**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.3888, 0.3092, 0.3786.

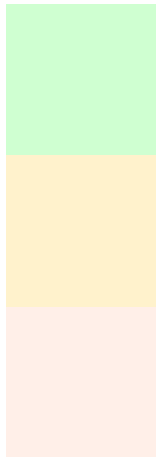


This preview shows how white text looks on a background with the Yxy color 89.3888, 0.3092, 0.3786.

# 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

89.3888, 0.3092, 0.3786

### Protanopia

89.1239, 0.3453, 0.3669

### Deuteranopia

88.8192, 0.3278, 0.3359



## Tritanopia

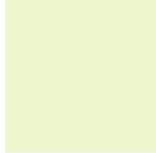
89.3478, 0.2975, 0.3189

# Trichromacy



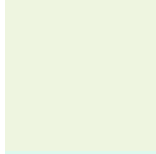
## Original Color

89.3888, 0.3092, 0.3786



## Protanomaly

89.1549, 0.3316, 0.3711



## Deuteranomaly

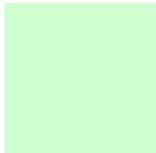
88.8638, 0.3208, 0.3504



## Tritanomaly

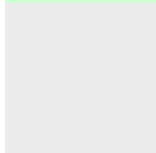
89.4540, 0.3022, 0.3403

# Monochromacy



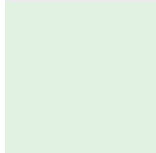
## Original Color

89.3888, 0.3092, 0.3786



## Achromatopsia

83.0770, 0.3127, 0.3290



## Achromatomaly

85.0028, 0.3113, 0.3457

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.3888, 0.3092, 0.3786 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(207, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 209)  
}
```

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(207, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 89.3888, 0.3092, 0.3786 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(207, 255, 209) }
```

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

```
.border{ border-color:rgb(207, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.3888, 0.3092, 0.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 209) }
```

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

```
.background{ background-color: rgb(207,  
255, 209) }
```

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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