

Converting Colors

$Y_{xy}(133.5461, 0.3084, 0.4344)$

Have a look what the booklet for
Yxy(133.5461, 0.3084, 0.4344)
contains.

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Color

Yxy(89.2416, 0.3108, 0.3819)

Conversions

Conversions Part 1

Format	Color
Hex	CFFFCE
RGB	207, 255, 206
RGB Percent	81%, 100%, 81%
CMY	0.1884, 0.0000, 0.1920
CMYK	0.19, 0.00, 0.19, 0.00
HSL	119°, 100%, 90%
HSV	119°, 19%, 100%
XYZ	72.6271, 89.2416, 71.8092
YIQ	235.0620, -12.8790, -25.4150

Conversions

Conversions Part 2

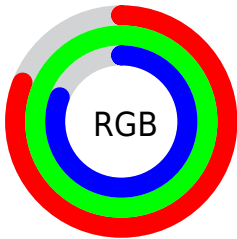
Format	Color
RYP	206, 255, 254
Decimal	13631438
CIELab	95.68, -24.27, 18.47
CIElCh	96, 30.498, 142.737
Yxy	89.2416, 0.3108, 0.3819
Android (android.graphics.Color)	4291821518 (0xFFCFFFCE)
YUV	235.0620, -14.3276, -24.6104
Hunter-Lab	94.4678, -28.0873, 21.0584

Details

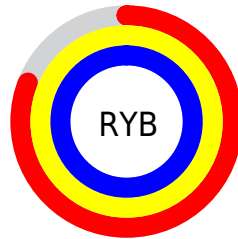
The Yxy color **89.2416, 0.3108, 0.3819** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.4626, 0.3143, 0.2811**, and the grayscale version is **83.2385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3306, 0.3097, 0.3936** is the 20% darker color. If you saturate the color by 10%, you get **84.7752, 0.3095, 0.4144**, and if you desaturate by 10%, it is **94.4716, 0.3119, 0.3527**.

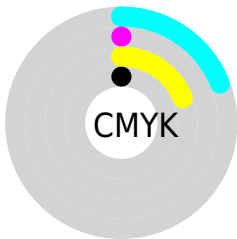
Distribution



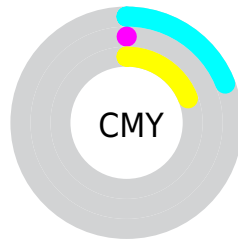
- Red (81%)
- Green (100%)
- Blue (81%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.2416, 0.3108, 0.3819 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 89.2416, 0.3108, 0.3819 by changing the saturation by 10% instead.

 89.2416, 0.3108,
0.3819

 89.2416, 0.3108,
0.3819


525.5607, 0.3121,
0.3575

 67.3518, 0.3104,
0.3875

146.2845, 0.3113,
0.3734

 49.3706, 0.3099,
0.3943

182.2064, 0.3115,
0.3701

 34.9135, 0.3092,
0.4030


223.5744, 0.3117,
0.3673

 23.5963, 0.3081,
0.4143

270.7730, 0.3118,
0.3648

 15.0344, 0.3064,
0.4296

324.1865, 0.3119,
0.3626

 8.8435, 0.3036,
0.4515

384.1994, 0.3120,

 4.6393, 0.2983,

0.3607

0.4850

451.1960, 0.3120,
0.3590

■ 2.0372, 0.2899,
0.5487

■ 0.6290, 0.0083,
0.9917

■ 89.2416, 0.3108,
0.3819

■ 89.2416, 0.3108,
0.3819

■ 84.7752, 0.3095,
0.4144

■ 94.4716, 0.3119,
0.3527

■ 81.0484, 0.3081,
0.4494

100.0000, 0.3127,
0.3290

■ 78.0175, 0.3065,
0.4855

■ 75.6393, 0.3049,
0.5205

■ 73.8660, 0.3034,
0.5516

■ 72.6431, 0.3020,
0.5760

■ 71.9062, 0.3009,
0.5919

■ 71.5685, 0.3003,
0.5994

■ 71.5512, 0.3003,
0.5998

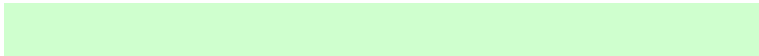
Harmonies

Analogous

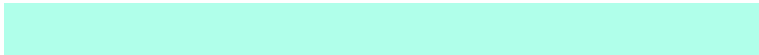
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2416, 0.3446, 0.3906



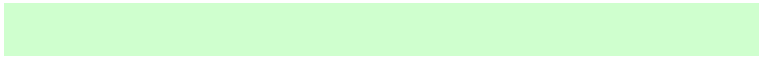
89.2416, 0.3108, 0.3819



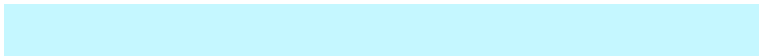
89.2416, 0.2787, 0.3562

Triad

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



89.2416, 0.3108, 0.3819



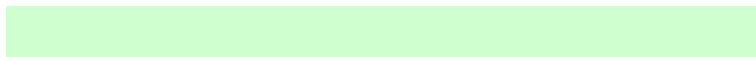
89.2416, 0.2567, 0.2766



89.2416, 0.3722, 0.3303

Complementary

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



89.2416, 0.3108, 0.3819



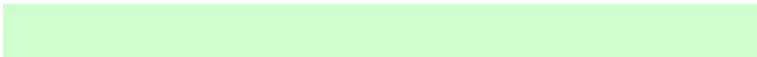
72.4626, 0.3143, 0.2811

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.



89.2416, 0.3462, 0.3033



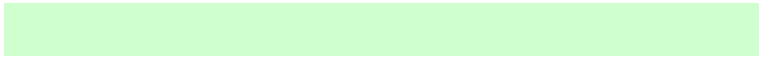
89.2416, 0.3108, 0.3819



89.2416, 0.2792, 0.2731

Square

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



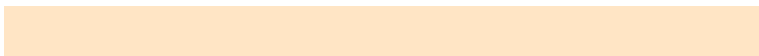
89.2416, 0.3108, 0.3819



89.2416, 0.2486, 0.2941



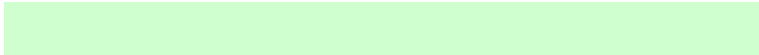
89.2416, 0.3117, 0.2829



89.2416, 0.3813, 0.3583

Rectangle

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



89.2416, 0.3108, 0.3819



89.2416, 0.2624, 0.3342



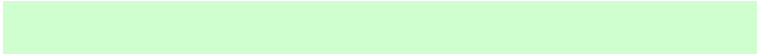
89.2416, 0.3117, 0.2829



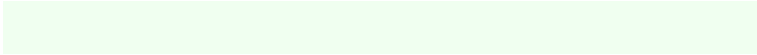
89.2416, 0.3651, 0.3209

Sweetspot

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



89.2375, 0.3108, 0.3819



96.3170, 0.3122, 0.3441



96.2008, 0.3420, 0.3755



20.5338, 0.3121, 0.3459



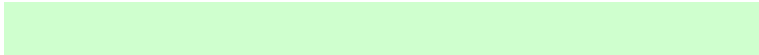
0.0000, 0.0000, 0.0000



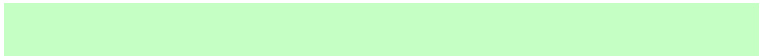
21.4041, 0.3127, 0.3290

Same Dimension

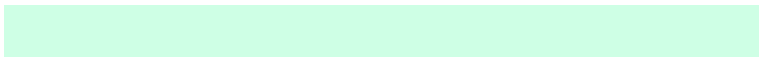
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2375, 0.3108, 0.3819



87.4542, 0.3103, 0.3939



90.2971, 0.2976, 0.3567



20.1845, 0.3118, 0.3536



37.3941, 0.3004, 0.5997



3.6465, 0.3013, 0.5990

Inverse Universe

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



72.4626, 0.3143, 0.2811



67.9077, 0.3146, 0.2714



71.2528, 0.3311, 0.3029



18.2818, 0.3135, 0.3056



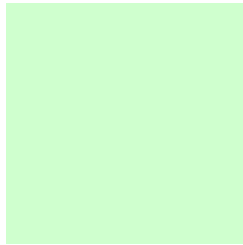
14.4165, 0.3162, 0.1516



1.4091, 0.3168, 0.1519

Previews

White Background



This preview shows how the Yxy color 89.2416, 0.3108, 0.3819 looks on a white background.

Color Contrast Check

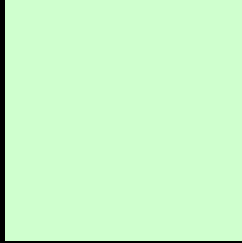
Large Text (above 18pt) WCAG AA × Fail

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 89.2416, 0.3108, 0.3819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

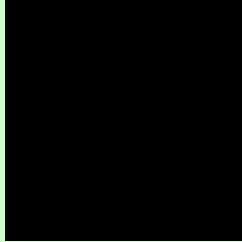
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

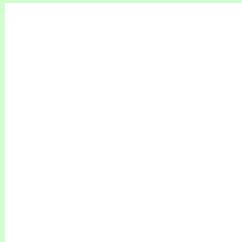
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.2416, 0.3108, 0.3819

Background



This preview shows how black text looks on a background with the Yxy color 89.2416, 0.3108, 0.3819.

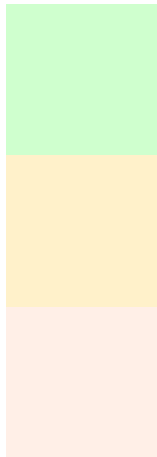


This preview shows how white text looks on a background with the Yxy color 89.2416, 0.3108, 0.3819.

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

89.2416, 0.3108, 0.3819

Protanopia

88.4349, 0.3468, 0.3680

Deuteranopia

88.7625, 0.3284, 0.3369



Tritanopia

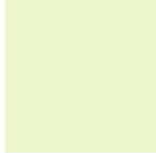
88.7444, 0.2975, 0.3179

Trichromacy



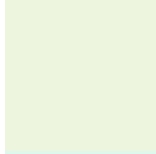
Original Color

89.2416, 0.3108, 0.3819



Protanomaly

88.4005, 0.3336, 0.3733



Deuteranomaly

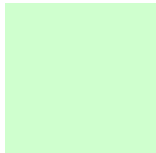
88.7559, 0.3220, 0.3525



Tritanomaly

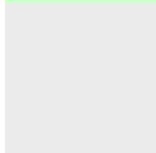
88.7788, 0.3028, 0.3403

Monochromacy



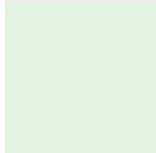
Original Color

89.2416, 0.3108, 0.3819



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 89.2416, 0.3108, 0.3819 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 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(207, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 89.2416, 0.3108, 0.3819 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, 206) }
```

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

```
.border{ border-color:rgb(207, 255, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2416, 0.3108, 0.3819 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, 206) }
```

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

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