

Converting Colors

$Yxy(89.8767, 0.3151, 0.3836)$

Have a look what the booklet for
Yxy(89.8767, 0.3151, 0.3836)
contains.

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Color

Yxy(89.8767, 0.3151, 0.3836)

Conversions

Conversions Part 1

Format	Color
Hex	D4FFCC
RGB	212, 255, 204
RGB Percent	83%, 100%, 80%
CMY	0.1683, 0.0000, 0.1999
CMYK	0.17, 0.00, 0.20, 0.00
HSL	111°, 100%, 90%
HSV	111°, 20%, 100%
XYZ	73.8273, 89.8767, 70.5940
YIQ	236.3290, -9.2570, -24.9770

Conversions

Conversions Part 2

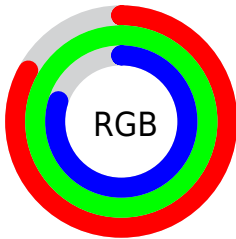
Format	Color
RYB	204, 255, 247
Decimal	13959116
CIELab	95.95, -22.91, 19.91
CIELCh	96, 30.350, 139.006
Yxy	89.8767, 0.3151, 0.3836
Android (android.graphics.Color)	4292149196 (0xFFD4FFCC)
YUV	236.3290, -15.9382, -21.3365
Hunter-Lab	94.8033, -26.9004, 22.2129

Details

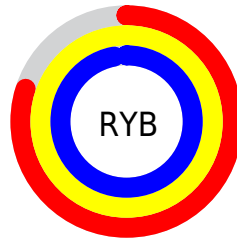
The Yxy color **89.8767, 0.3151, 0.3836** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.1760, 0.3092, 0.2783**, and the grayscale version is **84.2883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7583, 0.3150, 0.3957** is the 20% darker color. If you saturate the color by 10%, you get **85.7724, 0.3159, 0.4153**, and if you desaturate by 10%, it is **94.6133, 0.3140, 0.3547**.

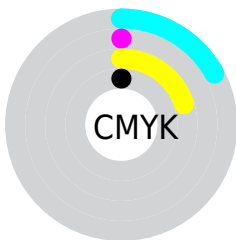
Distribution



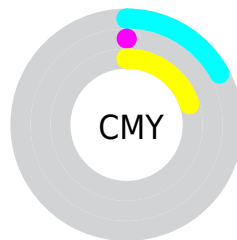
- Red (83%)
- Green (100%)
- Blue (80%)



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



- Cyan (17%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.8767, 0.3151, 0.3836 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 89.8767, 0.3151, 0.3836 by changing the saturation by 10% instead.

 89.8767, 0.3151,
0.3836

 89.8767, 0.3151,
0.3836


527.6297, 0.3145,
0.3584

 67.8784, 0.3151,
0.3893


147.1671, 0.3150,
0.3749

 49.7988, 0.3151,
0.3964


183.2280, 0.3149,
0.3715

 35.2536, 0.3150,
0.4052


224.7452, 0.3148,
0.3686

 23.8583, 0.3147,
0.4168

272.1031, 0.3148,
0.3660

 15.2285, 0.3140,
0.4324

325.6861, 0.3147,
0.3638

 8.9799, 0.3126,
0.4546

385.8786, 0.3146,

 4.7281, 0.3092,

0.3618

0.4884

453.0650, 0.3145,
0.3600

■ 2.0886, 0.3052,
0.5542

■ 0.6582, 0.0917,
0.9083

■ 89.8767, 0.3151,
0.3836

■ 89.8767, 0.3151,
0.3836

■ 85.7724, 0.3159,
0.4153

■ 94.6133, 0.3140,
0.3547

■ 82.2625, 0.3162,
0.4492

99.9922, 0.3127,
0.3290

■ 79.3227, 0.3158,
0.4839

■ 76.9223, 0.3147,
0.5174

■ 75.0279, 0.3128,
0.5474

■ 73.6020, 0.3102,
0.5715

■ 72.6019, 0.3070,
0.5880

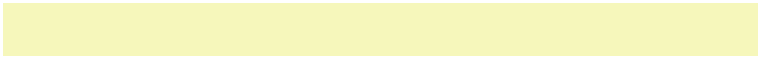
■ 71.9697, 0.3039,
0.5969

■ 71.9692, 0.3039,
0.5969

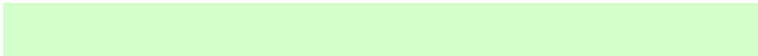
Harmonies

Analogous

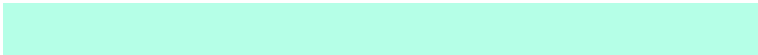
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8767, 0.3482, 0.3899



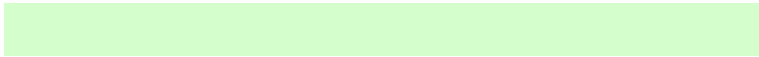
89.8767, 0.3151, 0.3836



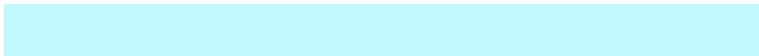
89.8767, 0.2825, 0.3599

Triad

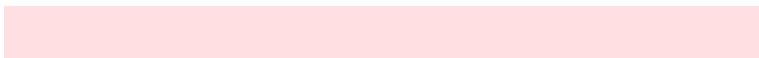
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8767, 0.3151, 0.3836



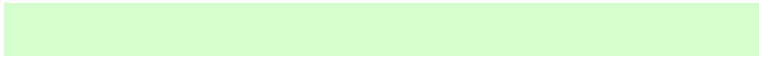
89.8767, 0.2552, 0.2784



89.8767, 0.3694, 0.3268

Complementary

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



89.8767, 0.3151, 0.3836



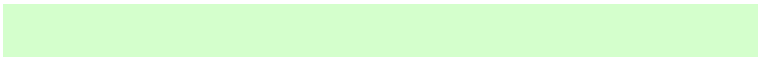
70.1760, 0.3092, 0.2783

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.



89.8767, 0.3419, 0.3005



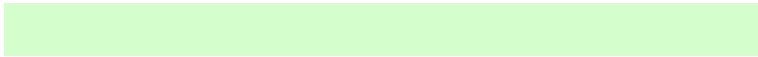
89.8767, 0.3151, 0.3836



89.8767, 0.2760, 0.2732

Square

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



89.8767, 0.3151, 0.3836



89.8767, 0.2491, 0.2974



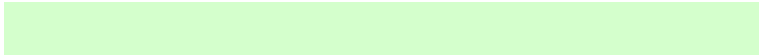
89.8767, 0.3074, 0.2814



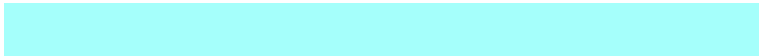
89.8767, 0.3807, 0.3548

Rectangle

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



89.8767, 0.3151, 0.3836



89.8767, 0.2653, 0.3384



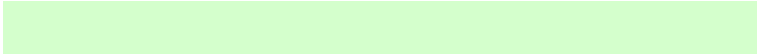
89.8767, 0.3074, 0.2814



89.8767, 0.3616, 0.3175

Sweetspot

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



89.8805, 0.3151, 0.3836



96.6915, 0.3135, 0.3441



91.8300, 0.3445, 0.3711



20.6220, 0.3136, 0.3458



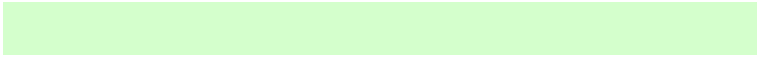
0.0000, 0.0000, 0.0000



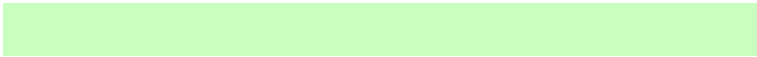
21.4041, 0.3127, 0.3290

Same Dimension

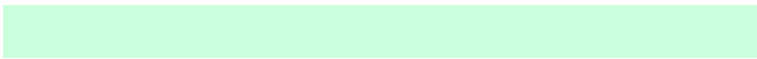
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8805, 0.3151, 0.3836



88.1687, 0.3155, 0.3960



89.5731, 0.3007, 0.3654



20.3059, 0.3139, 0.3534



37.6501, 0.3046, 0.5964



3.7037, 0.3107, 0.5915

Inverse Universe

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



70.1760, 0.3092, 0.2783



65.1864, 0.3083, 0.2677



70.6252, 0.3271, 0.2952



18.1465, 0.3113, 0.3054



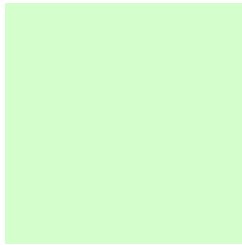
11.3528, 0.2812, 0.1323



1.1427, 0.2860, 0.1349

Previews

White Background



This preview shows how the Yxy color 89.8767, 0.3151, 0.3836 looks on a white background.

Color Contrast Check

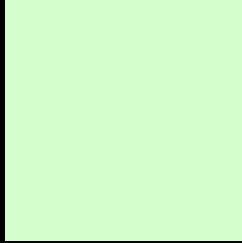
Large Text (above 18pt) WCAG AA × Fail

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 89.8767, 0.3151, 0.3836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

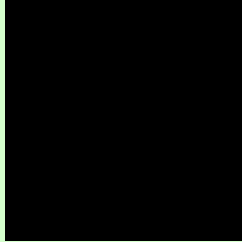
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

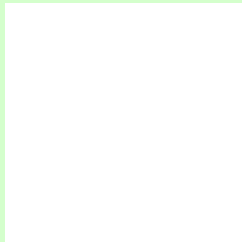
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8767, 0.3151, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 89.8767, 0.3151, 0.3836.

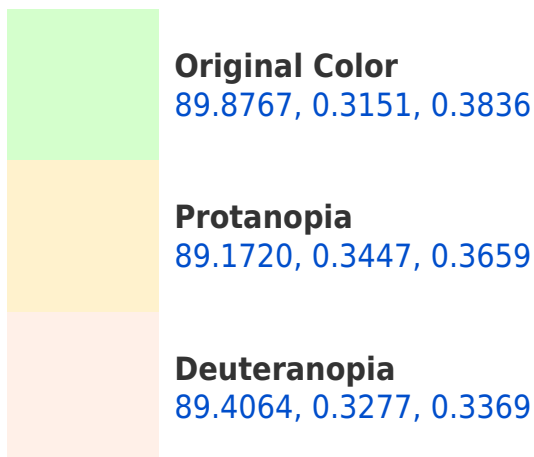


This preview shows how white text looks on a background with the Yxy color 89.8767, 0.3151, 0.3836.

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

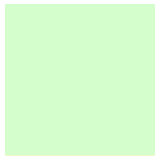




Tritanopia

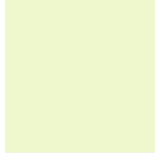
89.8485, 0.2993, 0.3190

Trichromacy



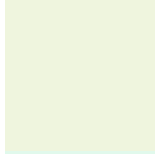
Original Color

89.8767, 0.3151, 0.3836



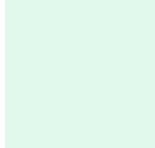
Protanomaly

89.2800, 0.3329, 0.3721



Deuteranomaly

88.9295, 0.3227, 0.3524



Tritanomaly

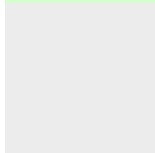
89.8150, 0.3052, 0.3423

Monochromacy



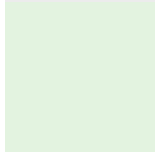
Original Color

89.8767, 0.3151, 0.3836



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8139, 0.3137, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8767, 0.3151, 0.3836 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(212, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 204)  
}
```

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(212, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 89.8767, 0.3151, 0.3836 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(212, 255, 204) }
```

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

```
.border{ border-color:rgb(212, 255, 204) }
```

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

Here you see how a box with a 4 pixel rgb(212, 255, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8767, 0.3151, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 204) }
```

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

```
.background{ background-color: rgb(212,  
255, 204) }
```

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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