

Converting Colors

$Yxy(89.8167, 0.3171, 0.3869)$

Have a look what the booklet for
Yxy(89.8167, 0.3171, 0.3869)
contains.

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Color

Yxy(89.8832, 0.3174, 0.3868)

Conversions

Conversions Part 1

Format	Color
Hex	D5FFC9
RGB	213, 255, 201
RGB Percent	84%, 100%, 79%
CMY	0.1645, 0.0000, 0.2116
CMYK	0.16, 0.00, 0.21, 0.00
HSL	107°, 100%, 89%
HSV	107°, 21%, 100%
XYZ	73.7563, 89.8832, 68.7369
YIQ	236.2860, -7.6980, -25.6980

Conversions

Conversions Part 2

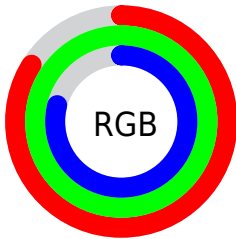
Format	Color
R _Y B	201, 255, 243
Decimal	14024649
CIE Lab	95.95, -23.07, 21.44
CIE LCh	96, 31.495, 137.086
Yxy	89.8832, 0.3174, 0.3868
Android (android.graphics.Color)	4292214729 (0xFFD5FFC9)
YUV	236.2860, -17.3960, -20.4218
Hunter-Lab	94.8068, -27.0452, 23.3782

Details

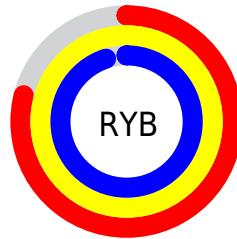
The Yxy color **89.8832, 0.3174, 0.3868** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.0561, 0.3064, 0.2748**, and the grayscale version is **84.2617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7639, 0.3179, 0.3999** is the 20% darker color. If you saturate the color by 10%, you get **85.9989, 0.3191, 0.4183**, and if you desaturate by 10%, it is **94.3367, 0.3153, 0.3579**.

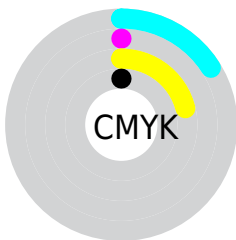
Distribution



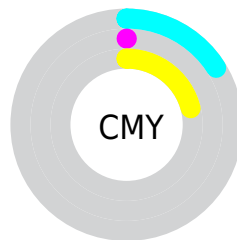
- Red (84%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (95%)



- Cyan (16%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8832, 0.3174, 0.3868 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 89.8832, 0.3174, 0.3868 by changing the saturation by 10% instead.


 89.8832, 0.3174,
0.3868

 89.8832, 0.3174,
0.3868

527.6508, 0.3158,
0.3601

 67.8838, 0.3176,
0.3929

147.1761, 0.3170,
0.3776

 49.8032, 0.3178,
0.4003


183.2384, 0.3168,
0.3740

 35.2570, 0.3180,
0.4097


224.7572, 0.3166,
0.3709

 23.8609, 0.3181,
0.4220

272.1167, 0.3164,
0.3682

 15.2305, 0.3178,
0.4385

325.7014, 0.3162,
0.3658

 8.9813, 0.3168,
0.4619

385.8958, 0.3161,

 4.7290, 0.3140,

0.3637

0.4975

453.0841, 0.3159,
0.3618

■ 2.0891, 0.3132,
0.5711

■ 0.6585, 0.0871,
0.9129

■ 89.8832, 0.3174,
0.3868

■ 89.8832, 0.3174,
0.3868

■ 85.9989, 0.3191,
0.4183

■ 94.3367, 0.3153,
0.3579

■ 82.6493, 0.3202,
0.4517

■ 99.3692, 0.3130,
0.3318

■ 79.8139, 0.3205,
0.4856

■ 99.9950, 0.3127,
0.3290

■ 77.4662, 0.3197,
0.5181

■ 75.5775, 0.3178,
0.5470

■ 74.1156, 0.3148,
0.5702

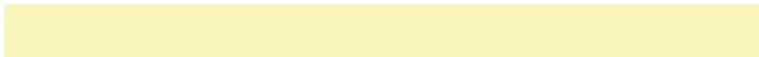
■ 73.0435, 0.3109,
0.5860

■ 72.3790, 0.3073,
0.5942

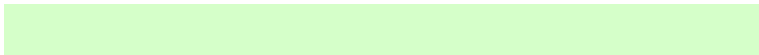
Harmonies

Analogous

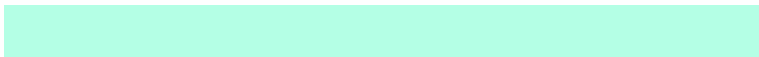
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8832, 0.3515, 0.3919



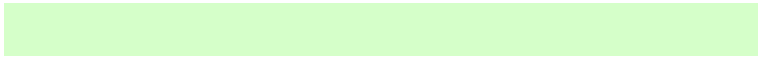
89.8832, 0.3174, 0.3868



89.8832, 0.2833, 0.3631

Triad

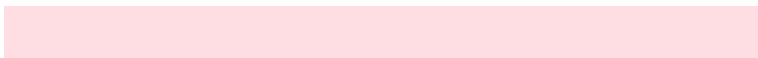
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8832, 0.3174, 0.3868



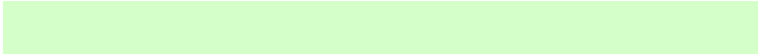
89.8832, 0.2523, 0.2774



89.8832, 0.3701, 0.3247

Complementary

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



89.8832, 0.3174, 0.3868



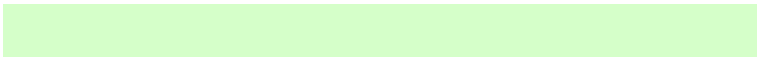
68.0561, 0.3064, 0.2748

Split Complementary

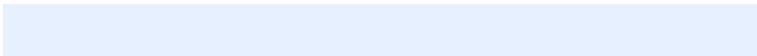
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8832, 0.3408, 0.2980



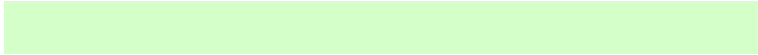
89.8832, 0.3174, 0.3868



89.8832, 0.2728, 0.2711

Square

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



89.8832, 0.3174, 0.3868



89.8832, 0.2470, 0.2979



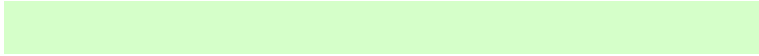
89.8832, 0.3048, 0.2788



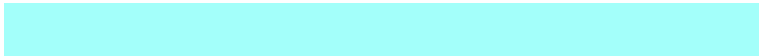
89.8832, 0.3832, 0.3538

Rectangle

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



89.8832, 0.3174, 0.3868



89.8832, 0.2650, 0.3409



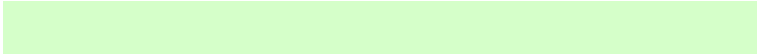
89.8832, 0.3048, 0.2788



89.8832, 0.3617, 0.3153

Sweetspot

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



89.8871, 0.3174, 0.3868



96.8674, 0.3141, 0.3440



89.2201, 0.3472, 0.3703



20.6634, 0.3143, 0.3458



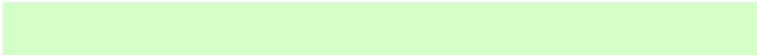
0.0000, 0.0000, 0.0000



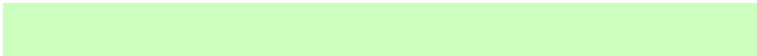
21.4041, 0.3127, 0.3290

Same Dimension

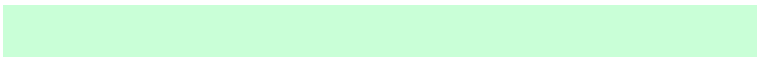
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8871, 0.3174, 0.3868



88.3359, 0.3181, 0.3986



88.8645, 0.3020, 0.3719



20.3632, 0.3149, 0.3533



37.8758, 0.3082, 0.5935



3.7336, 0.3154, 0.5878

Inverse Universe

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



68.0561, 0.3064, 0.2748



63.2562, 0.3050, 0.2645



69.3726, 0.3254, 0.2896



18.0843, 0.3102, 0.3053



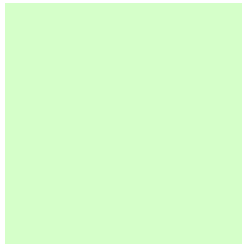
10.1291, 0.2650, 0.1233



1.0340, 0.2716, 0.1270

Previews

White Background



This preview shows how the Yxy color 89.8832, 0.3174, 0.3868 looks on a white background.

Color Contrast Check

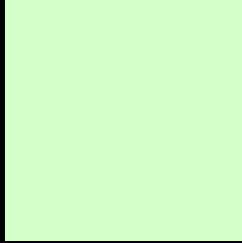
Large Text (above 18pt) WCAG AA × Fail

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 89.8832, 0.3174, 0.3868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

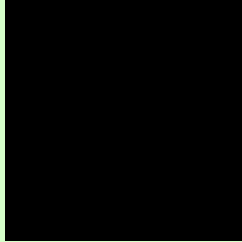
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

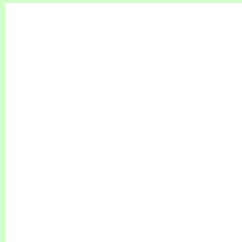
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8832, 0.3174, 0.3868

Background



This preview shows how black text looks on a background with the Yxy color 89.8832, 0.3174, 0.3868.

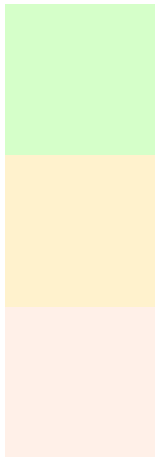


This preview shows how white text looks on a background with the Yxy color 89.8832, 0.3174, 0.3868.

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

89.8832, 0.3174, 0.3868

Protanopia

89.1720, 0.3447, 0.3659

Deuteranopia

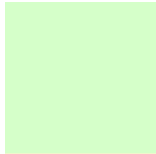
89.4064, 0.3277, 0.3369



Tritanopia

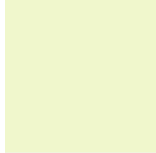
89.8485, 0.2993, 0.3190

Trichromacy



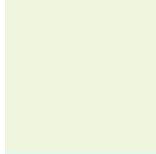
Original Color

89.8832, 0.3174, 0.3868



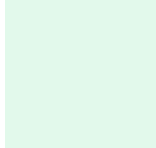
Protanomaly

89.4064, 0.3342, 0.3730



Deuteranomaly

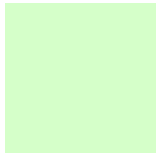
89.0505, 0.3240, 0.3534



Tritanomaly

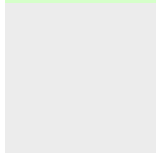
89.9183, 0.3064, 0.3434

Monochromacy



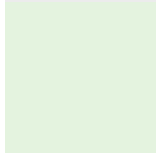
Original Color

89.8832, 0.3174, 0.3868



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.9229, 0.3150, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8832, 0.3174, 0.3868 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(213, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 201)  
}
```

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(213, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 201) }
```

Border

The CSS property to change the border of an element to Yxy 89.8832, 0.3174, 0.3868 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(213, 255, 201) }
```

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

```
.border{ border-color:rgb(213, 255, 201) }
```

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

Here you see how a box with a 4 pixel rgb(213, 255, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8832, 0.3174, 0.3868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 201) }
```

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

```
.background{ background-color: rgb(213,  
255, 201) }
```

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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