

Converting Colors

$Y_{xy}(120.5134, 0.3201, 0.4374)$

Have a look what the booklet for
Yxy(120.5134, 0.3201, 0.4374)
contains.

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Color

Yxy(89.4903, 0.3248, 0.3999)

Conversions

Conversions Part 1

Format	Color
Hex	D6FFBD
RGB	214, 255, 189
RGB Percent	84%, 100%, 74%
CMY	0.1607, 0.0000, 0.2587
CMYK	0.16, 0.00, 0.26, 0.00
HSL	97°, 100%, 87%
HSV	97°, 26%, 100%
XYZ	72.6843, 89.4903, 61.6071
YIQ	235.2170, -3.2500, -29.2180

Conversions

Conversions Part 2

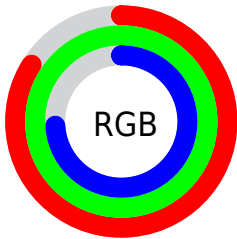
Format	Color
R _{YB}	189, 255, 230
Decimal	14090173
CIE Lab	95.78, -24.60, 27.31
CIE LCh	96, 36.757, 132.007
Yxy	89.4903, 0.3248, 0.3999
Android (android.graphics.Color)	4292280253 (0xFFD6FFBD)
YUV	235.2170, -22.7850, -18.6073
Hunter-Lab	94.5993, -28.4004, 27.6073

Details

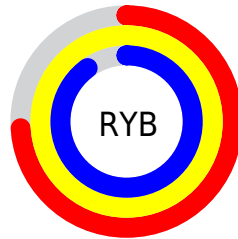
The Yxy color **89.4903, 0.3248, 0.3999** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.4573, 0.2970, 0.2606**, and the grayscale version is **83.4374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **49.5084, 0.3271, 0.4167** is the 20% darker color. If you saturate the color by 10%, you get **86.2129, 0.3287, 0.4310**, and if you desaturate by 10%, it is **93.2020, 0.3203, 0.3706**.

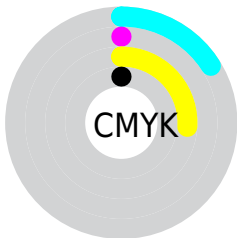
Distribution



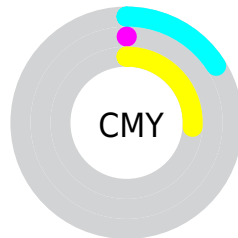
- Red (84%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (90%)



- Cyan (16%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.4903, 0.3248, 0.3999 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 89.4903, 0.3248, 0.3999 by changing the saturation by 10% instead.


 89.4903, 0.3248,
0.3999

 89.4903, 0.3248,
0.3999

526.3714, 0.3201,
0.3671

 67.5580, 0.3256,
0.4074


 146.6302, 0.3234,
0.3885

 49.5382, 0.3266,
0.4165


182.6066, 0.3228,
0.3841

 35.0466, 0.3275,
0.4281


224.0331, 0.3222,
0.3803

 23.6988, 0.3285,
0.4431

271.2941, 0.3217,
0.3770

 15.1103, 0.3293,
0.4633

324.7740, 0.3213,
0.3741

 8.8969, 0.3293,
0.4917

384.8573, 0.3209,

 4.6740, 0.3267,

0.3715

0.5341

451.9283, 0.3205,
0.3692

■ 2.0573, 0.3442,
0.6558

■ 0.6404, 0.0127,
0.9873

■ 89.4903, 0.3248,
0.3999

■ 89.4903, 0.3248,
0.3999

■ 86.2129, 0.3287,
0.4310

■ 93.2020, 0.3203,
0.3706

■ 83.3414, 0.3317,
0.4629

■ 97.3521, 0.3156,
0.3436

■ 80.8616, 0.3333,
0.4942

99.9991, 0.3127,
0.3290

■ 78.7541, 0.3334,
0.5232

■ 76.9972, 0.3316,
0.5481

■ 75.5665, 0.3279,
0.5673

■ 74.4334, 0.3228,
0.5799

■ 74.0375, 0.3205,
0.5838

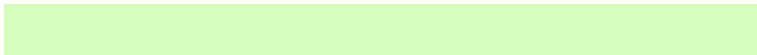
Harmonies

Analogous

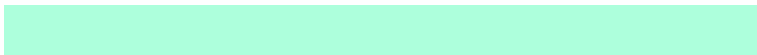
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4903, 0.3635, 0.4013



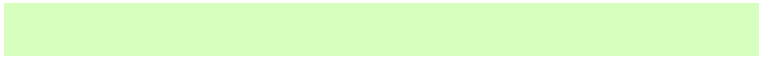
89.4903, 0.3248, 0.3999



89.4903, 0.2844, 0.3751

Triad

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



89.4903, 0.3248, 0.3999



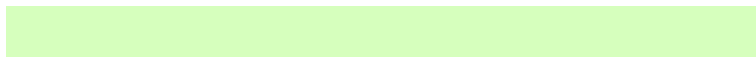
89.4903, 0.2404, 0.2717



89.4903, 0.3752, 0.3181

Complementary

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



89.4903, 0.3248, 0.3999



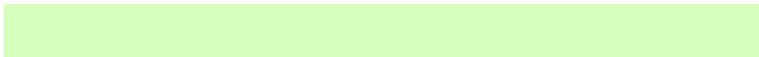
60.4573, 0.2970, 0.2606

Split Complementary

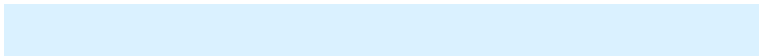
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.4903, 0.3384, 0.2886



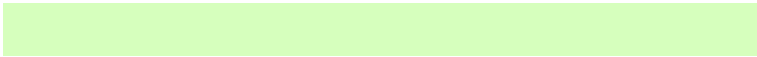
89.4903, 0.3248, 0.3999



89.4903, 0.2612, 0.2621

Square

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



89.4903, 0.3248, 0.3999



89.4903, 0.2375, 0.2977



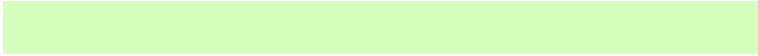
89.4903, 0.2963, 0.2685



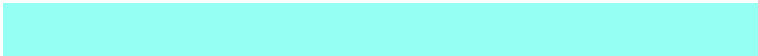
89.4903, 0.3943, 0.3516

Rectangle

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



89.4903, 0.3248, 0.3999



89.4903, 0.2620, 0.3496



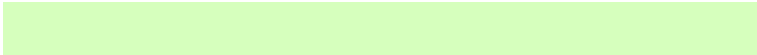
89.4903, 0.2963, 0.2685



89.4903, 0.3643, 0.3075

Sweetspot

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



89.4942, 0.3248, 0.3999



96.4301, 0.3166, 0.3492



81.3700, 0.3579, 0.3703



20.5033, 0.3173, 0.3532



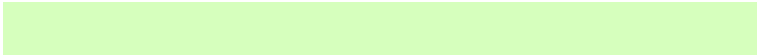
0.0000, 0.0000, 0.0000



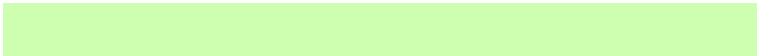
21.4041, 0.3127, 0.3290

Same Dimension

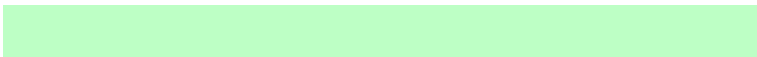
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4942, 0.3248, 0.3999



87.7587, 0.3269, 0.4157



86.3619, 0.3051, 0.3944



20.5033, 0.3173, 0.3532



38.7653, 0.3216, 0.5828



3.8346, 0.3303, 0.5759

Inverse Universe

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



60.4573, 0.2970, 0.2606



54.2683, 0.2930, 0.2460



64.4056, 0.3214, 0.2714



17.9366, 0.3077, 0.3051



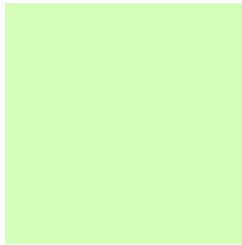
7.6814, 0.2277, 0.1028



0.8106, 0.2382, 0.1086

Previews

White Background



This preview shows how the Yxy color 89.4903, 0.3248, 0.3999 looks on a white background.

Color Contrast Check

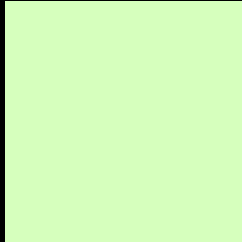
Large Text (above 18pt) WCAG AA × Fail

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 89.4903, 0.3248, 0.3999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

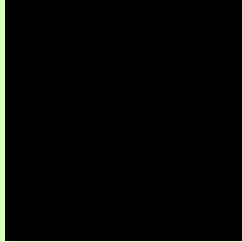
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

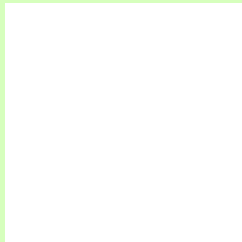
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.4903, 0.3248, 0.3999

Background



This preview shows how black text looks on a background with the Yxy color 89.4903, 0.3248, 0.3999.

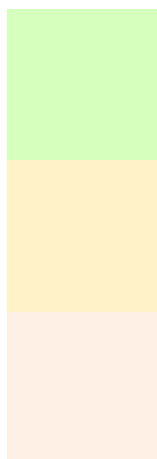


This preview shows how white text looks on a background with the Yxy color 89.4903, 0.3248, 0.3999.

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

89.4903, 0.3248, 0.3999

Protanopia

88.9813, 0.3473, 0.3699

Deuteranopia

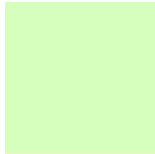
89.2373, 0.3296, 0.3399



Tritanopia

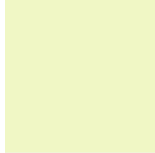
89.2450, 0.2993, 0.3180

Trichromacy



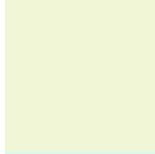
Original Color

89.4903, 0.3248, 0.3999



Protanomaly

89.0780, 0.3385, 0.3804



Deuteranomaly

88.6851, 0.3283, 0.3607



Tritanomaly

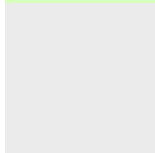
89.0731, 0.3087, 0.3465

Monochromacy



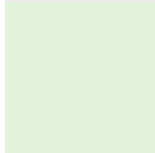
Original Color

89.4903, 0.3248, 0.3999



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.8971, 0.3174, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.4903, 0.3248, 0.3999 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(214, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 189)  
}
```

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(214, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 189) }
```

Border

The CSS property to change the border of an element to Yxy 89.4903, 0.3248, 0.3999 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(214, 255, 189) }
```

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

```
.border{ border-color:rgb(214, 255, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 89.4903, 0.3248, 0.3999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 189) }
```

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

```
.background{ background-color: rgb(214,  
255, 189) }
```

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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