

Converting Colors

Yxy(90.0078, 0.3344, 0.4104)

Have a look what the booklet for
Yxy(90.0078, 0.3344, 0.4104)
contains.

Yxy(89.9903, 0.3344, 0.4099)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.9903, 0.3344, 0.4099)

Conversions

Conversions Part 1

Format	Color
Hex	DCFFB3
RGB	220, 255, 179
RGB Percent	86%, 100%, 70%
CMY	0.1372, 0.0000, 0.2981
CMYK	0.14, 0.00, 0.30, 0.00
HSL	88°, 100%, 85%
HSV	88°, 30%, 100%
XYZ	73.4149, 89.9903, 56.1369
YIQ	235.8710, 3.5360, -31.0560

Conversions

Conversions Part 2

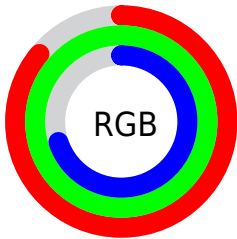
Format	Color
RYB	179, 255, 214
Decimal	14483379
CIELab	95.99, -23.97, 32.72
CIELCh	96, 40.559, 126.223
Yxy	89.9903, 0.3344, 0.4099
Android (android.graphics.Color)	4292673459 (0xFFDCFFB3)
YUV	235.8710, -28.0374, -13.9189
Hunter-Lab	94.8632, -27.8690, 31.3184

Details

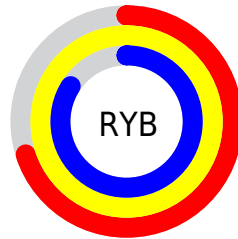
The Yxy color **89.9903, 0.3344, 0.4099** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.7426, 0.2847, 0.2473**, and the grayscale version is **83.9962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **49.7870, 0.3376, 0.4280** is the 20% darker color. If you saturate the color by 10%, you get **87.2876, 0.3407, 0.4396**, and if you desaturate by 10%, it is **93.0176, 0.3274, 0.3811**.

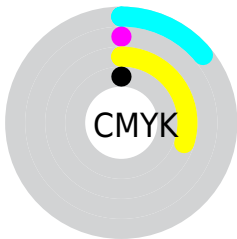
Distribution



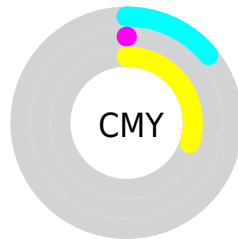
- Red (86%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (84%)



- Cyan (14%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9903, 0.3344, 0.4099 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 89.9903, 0.3344, 0.4099 by changing the saturation by 10% instead.

 89.9903, 0.3344,
0.4099

 89.9903, 0.3344,
0.4099

527.9993, 0.3257,
0.3726

 67.9726, 0.3361,
0.4183


 147.3249, 0.3316,
0.3970

 49.8754, 0.3379,
0.4287


183.4106, 0.3305,
0.3920

 35.3144, 0.3400,
0.4417


224.9545, 0.3295,
0.3876

 23.9052, 0.3423,
0.4584

272.3408, 0.3285,
0.3839

 15.2633, 0.3446,
0.4806

325.9541, 0.3277,
0.3805

 9.0044, 0.3461,
0.5113

386.1786, 0.3270,

 4.7440, 0.3450,

0.3776

0.5559

453.3989, 0.3263,
0.3749

■ 2.0979, 0.3490,
0.6510

■ 0.6634, 0.0642,
0.9358

■ 89.9903, 0.3344,
0.4099

■ 89.9903, 0.3344,
0.4099

■ 87.2876, 0.3407,
0.4396

■ 93.0176, 0.3274,
0.3811

■ 84.8884, 0.3457,
0.4691


■ 96.3737, 0.3200,
0.3538


■ 82.7811, 0.3492,
0.4971


100.0000, 0.3127,
0.3290

■ 80.9499, 0.3505,
0.5220

 79.3774, 0.3495,
0.5425

 78.0428, 0.3461,
0.5575

 76.9149, 0.3410,
0.5674

 76.8950, 0.3409,
0.5675

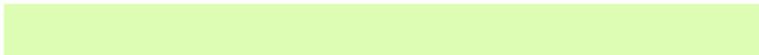
Harmonies

Analogous

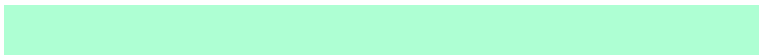
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9903, 0.3753, 0.4058



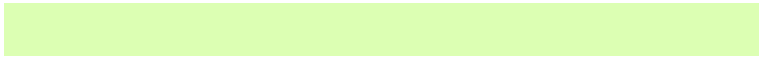
89.9903, 0.3344, 0.4099



89.9903, 0.2895, 0.3872

Triad

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



89.9903, 0.3344, 0.4099



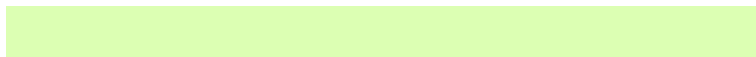
89.9903, 0.2315, 0.2701



89.9903, 0.3749, 0.3101

Complementary

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



89.9903, 0.3344, 0.4099



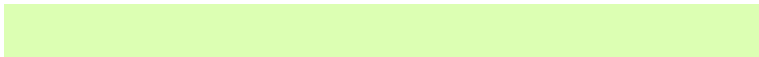
53.7426, 0.2847, 0.2473

Split Complementary

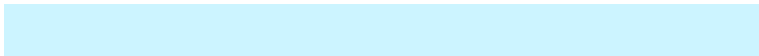
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.9903, 0.3319, 0.2796



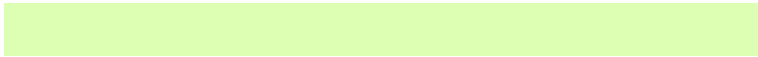
89.9903, 0.3344, 0.4099



89.9903, 0.2504, 0.2564

Square

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



89.9903, 0.3344, 0.4099



89.9903, 0.2322, 0.3015



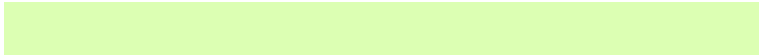
89.9903, 0.2862, 0.2604



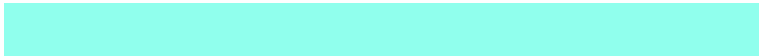
89.9903, 0.4006, 0.3462

Rectangle

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



89.9903, 0.3344, 0.4099



89.9903, 0.2634, 0.3603



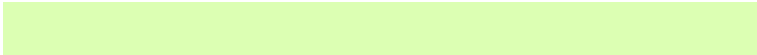
89.9903, 0.2862, 0.2604



89.9903, 0.3618, 0.2990

Sweetspot

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



89.9929, 0.3344, 0.4099



96.6610, 0.3194, 0.3517



72.1978, 0.3695, 0.3644



20.5795, 0.3205, 0.3555



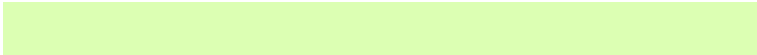
0.0000, 0.0000, 0.0000



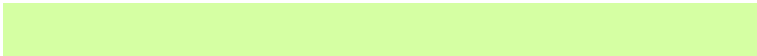
21.4041, 0.3127, 0.3290

Same Dimension

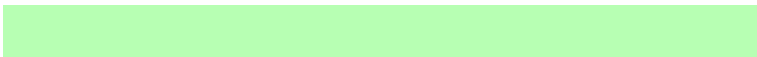
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9929, 0.3344, 0.4099



88.2819, 0.3384, 0.4282



84.8145, 0.3109, 0.4161



20.6511, 0.3198, 0.3530



40.2692, 0.3420, 0.5666



3.9859, 0.3503, 0.5601

Inverse Universe

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



53.7426, 0.2847, 0.2473



46.5272, 0.2774, 0.2285



59.9988, 0.3132, 0.2539



17.7872, 0.3051, 0.3049



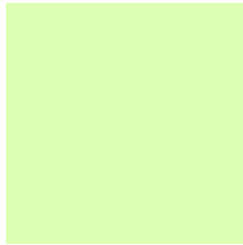
5.8473, 0.1946, 0.0846



0.6334, 0.2071, 0.0914

Previews

White Background



This preview shows how the Yxy color 89.9903, 0.3344, 0.4099 looks on a white background.

Color Contrast Check

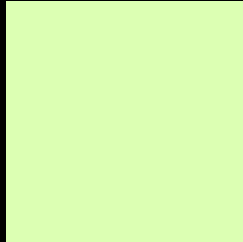
Large Text (above 18pt) WCAG AA × Fail

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 89.9903, 0.3344, 0.4099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

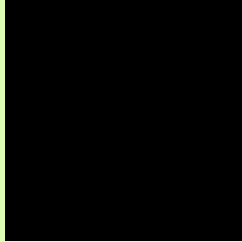
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

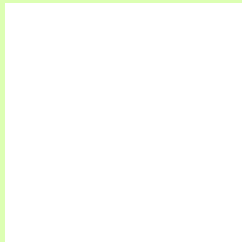
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.9903, 0.3344, 0.4099

Background



This preview shows how black text looks on a background with the Yxy color 89.9903, 0.3344, 0.4099.

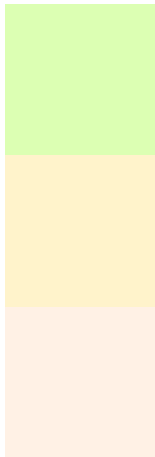


This preview shows how white text looks on a background with the Yxy color 89.9903, 0.3344, 0.4099.

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

89.9903, 0.3344, 0.4099

Protanopia

89.6730, 0.3458, 0.3688

Deuteranopia

89.8277, 0.3295, 0.3408



Tritanopia

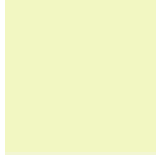
89.9259, 0.3018, 0.3181

Trichromacy



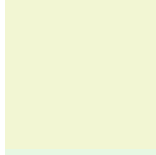
Original Color

89.9903, 0.3344, 0.4099



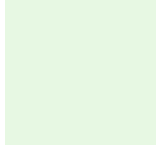
Protanomaly

89.2938, 0.3417, 0.3833



Deuteranomaly

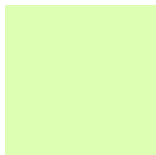
89.4919, 0.3314, 0.3646



Tritanomaly

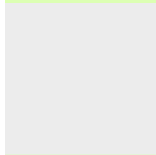
89.6698, 0.3143, 0.3505

Monochromacy



Original Color

89.9903, 0.3344, 0.4099



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8305, 0.3212, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9903, 0.3344, 0.4099 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(220, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 179)  
}
```

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(220, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 179) }
```

Border

The CSS property to change the border of an element to Yxy 89.9903, 0.3344, 0.4099 is called "border". The border property can be set on classes, ids or directly on the HTML element.

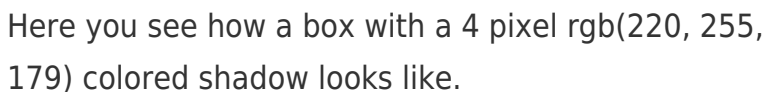
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(220, 255, 179) }
```

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

```
.border{ border-color:rgb(220, 255, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(220, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 255, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 255, 179); box-shadow:4px 4px 4px 4px rgb(220, 255, 179) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9903, 0.3344, 0.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 179) }
```

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

```
.background{ background-color: rgb(220,  
255, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor