

Converting Colors

$Y_{xy}(100.0000, 0.3346, 0.3958)$

Have a look what the booklet for
Yxy(100.0000, 0.3346, 0.3958)
contains.

| | |
|-------------------------------------------|----|
| Yxy(93.9479, 0.3359, 0.3870) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(93.9479, 0.3359, 0.3870)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EFFFC6 |
| RGB | 239, 255, 198 |
| RGB Percent | 94%, 100%, 78% |
| CMY | 0.0629, 0.0000, 0.2235 |
| CMYK | 0.06, 0.00, 0.22, 0.00 |
| HSL | 77°, 100%, 89% |
| HSV | 77°, 22%, 100% |
| XYZ | 81.5429, 93.9479, 67.2686 |
| YIQ | 243.7180, 8.7610, -21.1190 |

Conversions

Conversions Part 2

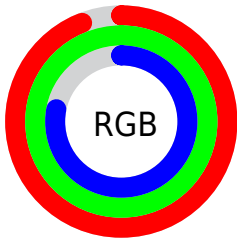
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 198, 255, 214 |
| Decimal | 15728582 |
| CIELab | 97.61, -14.60, 25.54 |
| CIELCh | 98, 29.421, 119.755 |
| Yxy | 93.9479, 0.3359, 0.3870 |
| Android (android.graphics.Color) | 4293918662 (0xFFEFFF66) |
| YUV | 243.7180, -22.5390, -4.1377 |
| Hunter-Lab | 96.9267, -19.4526, 26.7005 |

Details

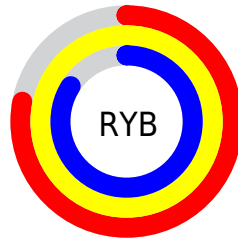
The Yxy color **93.9479, 0.3359, 0.3870** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.9168, 0.2857, 0.2681**, and the grayscale version is **90.4008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.4691, 0.3407, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **91.6401, 0.3459, 0.4146**, and if you desaturate by 10%, it is **96.4941, 0.3255, 0.3602**.

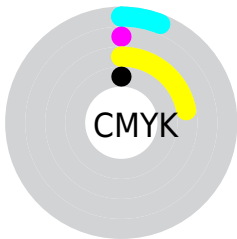
Distribution



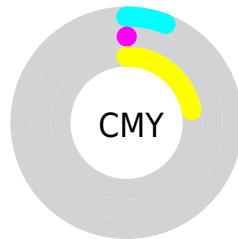
- Red (94%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (84%)



- Cyan (6%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.9479, 0.3359, 0.3870 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 93.9479, 0.3359, 0.3870 by changing the saturation by 10% instead.


 93.9479, 0.3359,
0.3870

 93.9479, 0.3359,
0.3870


540.7913, 0.3261,
0.3608

 71.2596, 0.3379,
0.3928


152.8103, 0.3327,
0.3780

 52.5541, 0.3403,
0.3999

189.7532, 0.3314,
0.3745

 37.4469, 0.3432,
0.4088


232.2164, 0.3302,
0.3714

 25.5537, 0.3467,
0.4202

280.5844, 0.3292,
0.3688

 16.4901, 0.3510,
0.4351

335.2414, 0.3283,
0.3664

 9.8716, 0.3562,
0.4558


396.5720, 0.3275,


 5.3139, 0.3621,

0.3643


0.4856

464.9605, 0.3267,
0.3625

 2.4326, 0.3777,
0.5466


 0.8426, 0.3453,
0.6547


 93.9479, 0.3359,
0.3870

 93.9479, 0.3359,
0.3870


 91.6401, 0.3459,
0.4146


 96.4941, 0.3255,
0.3602

 89.5741, 0.3551,
0.4420

 99.3024, 0.3151,
0.3347

 87.7340, 0.3630,
0.4683

 100.0000, 0.3127,
0.3290

 86.1072, 0.3689,
0.4923

■ 84.6799, 0.3725,
0.5126

■ 83.4362, 0.3735,
0.5284

■ 82.3568, 0.3720,
0.5393

■ 81.6204, 0.3695,
0.5448

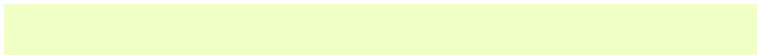
Harmonies

Analogous

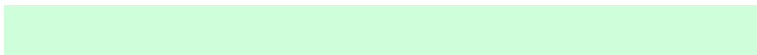
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9479, 0.3631, 0.3818



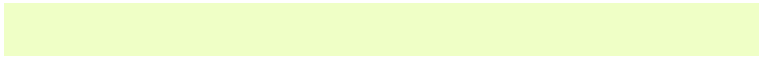
93.9479, 0.3359, 0.3870



93.9479, 0.3034, 0.3745

Triad

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



93.9479, 0.3359, 0.3870



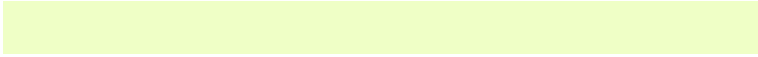
93.9479, 0.2522, 0.2910



93.9479, 0.3513, 0.3103

Complementary

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



93.9479, 0.3359, 0.3870



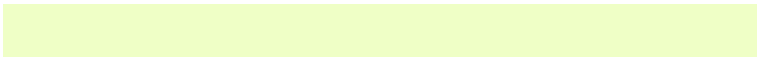
61.9168, 0.2857, 0.2681

Split Complementary

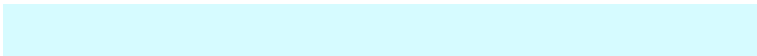
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.9479, 0.3196, 0.2889



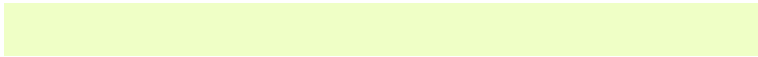
93.9479, 0.3359, 0.3870



93.9479, 0.2633, 0.2773

Square

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



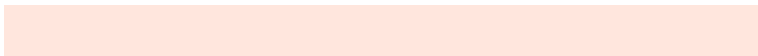
93.9479, 0.3359, 0.3870



93.9479, 0.2561, 0.3164



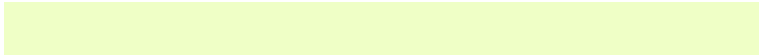
93.9479, 0.2875, 0.2769



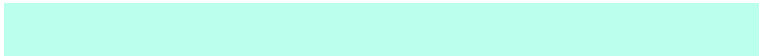
93.9479, 0.3727, 0.3367

Rectangle

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



93.9479, 0.3359, 0.3870



93.9479, 0.2832, 0.3577



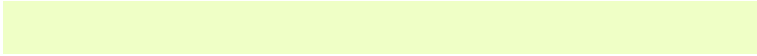
93.9479, 0.2875, 0.2769



93.9479, 0.3414, 0.3023

Sweetspot

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



93.9433, 0.3359, 0.3870



97.9633, 0.3199, 0.3464



73.0318, 0.3553, 0.3447



20.9319, 0.3206, 0.3479



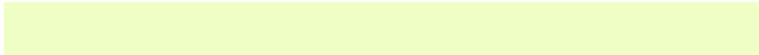
0.0000, 0.0000, 0.0000



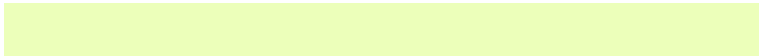
21.4041, 0.3127, 0.3290

Same Dimension

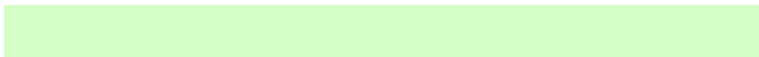
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.9433, 0.3359, 0.3870



92.8416, 0.3406, 0.3998



89.4925, 0.3180, 0.3903



20.8189, 0.3225, 0.3528



42.7274, 0.3703, 0.5442



4.2153, 0.3761, 0.5396

Inverse Universe

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



61.9168, 0.2857, 0.2681



55.4539, 0.2790, 0.2538



66.4389, 0.3055, 0.2715



17.6251, 0.3023, 0.3047



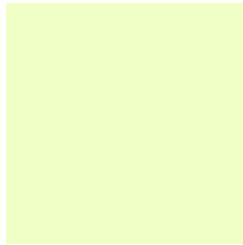
4.5513, 0.1677, 0.0698



0.4953, 0.1792, 0.0761

Previews

White Background



This preview shows how the Yxy color 93.9479, 0.3359, 0.3870 looks on a white background.

Color Contrast Check

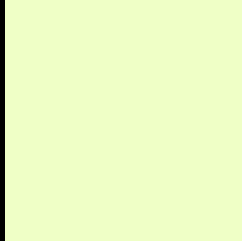
Large Text (above 18pt) WCAG AA × Fail

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 93.9479, 0.3359, 0.3870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

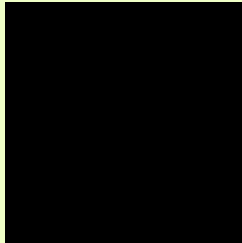
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

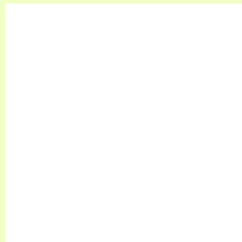
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.9479, 0.3359, 0.3870

Background



This preview shows how black text looks on a background with the Yxy color 93.9479, 0.3359, 0.3870.

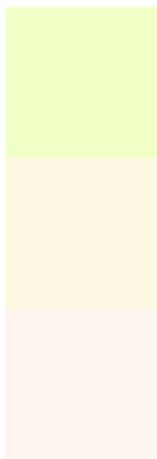


This preview shows how white text looks on a background with the Yxy color 93.9479, 0.3359, 0.3870.

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

93.9479, 0.3359, 0.3870

Protanopia

93.9409, 0.3300, 0.3496

Deuteranopia

93.5224, 0.3216, 0.3339

Tritanopia

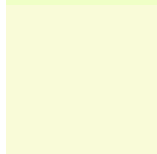
93.6980, 0.3086, 0.3212

Trichromacy



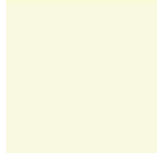
Original Color

93.9479, 0.3359, 0.3870



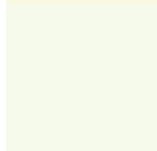
Protanomaly

94.0920, 0.3323, 0.3638



Deuteranomaly

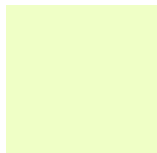
93.3273, 0.3271, 0.3528



Tritanomaly

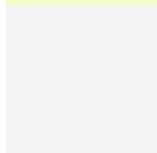
93.7242, 0.3190, 0.3449

Monochromacy



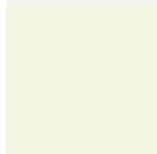
Original Color

93.9479, 0.3359, 0.3870



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.5581, 0.3214, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.9479, 0.3359, 0.3870 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(239, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 198)  
}
```

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(239, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 198) }
```

Border

The CSS property to change the border of an element to Yxy 93.9479, 0.3359, 0.3870 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(239, 255, 198) }
```

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

```
.border{ border-color:rgb(239, 255, 198) }
```

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

Here you see how a box with a 4 pixel rgb(239, 255, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 93.9479, 0.3359, 0.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 198) }
```

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

```
.background{ background-color: rgb(239,  
255, 198) }
```

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