

# Converting Colors

$Y_{xy}(100.0000, 0.3446, 0.4023)$

Have a look what the booklet for  
Yxy(100.0000, 0.3446, 0.4023)  
contains.

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# **Color**

**Yxy(94.7870, 0.3459, 0.3953)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FFBD
RGB	246, 255, 189
RGB Percent	96%, 100%, 74%
CMY	0.0354, 0.0000, 0.2589
CMYK	0.04, 0.00, 0.26, 0.00
HSL	68°, 100%, 87%
HSV	68°, 26%, 100%
XYZ	82.9416, 94.7870, 62.0564
YIQ	244.7850, 15.8220, -22.4340

# Conversions

## Conversions Part 2

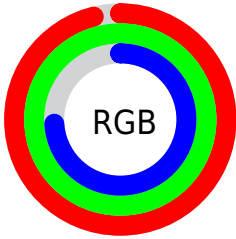
Format	Color
<a href="#">RYB</a>	<a href="#">189, 255, 198</a>
Decimal	<a href="#">16187325</a>
CIELab	<a href="#">97.95, -13.35, 30.64</a>
CIELCh	<a href="#">98, 33.425, 113.548</a>
Yxy	<a href="#">94.7870, 0.3459, 0.3953</a>
Android (android.graphics.Color)	<a href="#">4294377405</a> ( <a href="#">0xFFFF6FFBD</a> )
YUV	<a href="#">244.7850, -27.5020, 1.0656</a>
Hunter-Lab	<a href="#">97.3586, -18.3101, 30.3596</a>

# Details

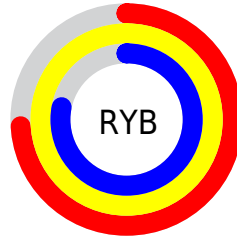
The Yxy color **94.7870, 0.3459, 0.3953** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.6144, 0.2739, 0.2559**, and the grayscale version is **91.3344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **52.9563, 0.3524, 0.4097** is the 20% darker color. If you saturate the color by 10%, you get **93.1443, 0.3583, 0.4214**, and if you desaturate by 10%, it is **96.6237, 0.3330, 0.3691**.

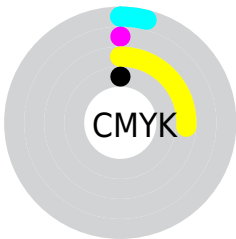
# Distribution



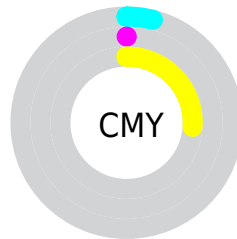
- Red (96%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (78%)



- Cyan (4%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.7870, 0.3459, 0.3953 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 94.7870, 0.3459, 0.3953 by changing the saturation by 10% instead.





 94.7870, 0.3459,  
0.3953

 94.7870, 0.3459,  
0.3953


543.4829, 0.3318,  
0.3655

 71.9577, 0.3488,  
0.4019


 153.9703, 0.3413,  
0.3851

 53.1241, 0.3523,  
0.4098

191.0931, 0.3394,  
0.3811

 37.9019, 0.3564,  
0.4197


233.7492, 0.3377,  
0.3777

 25.9065, 0.3614,  
0.4323

282.3230, 0.3363,  
0.3746

 16.7537, 0.3674,  
0.4487

337.1988, 0.3350,  
0.3719

 10.0591, 0.3747,  
0.4708

398.7612, 0.3338,

 5.4381, 0.3829,

0.3695

0.5017

467.3944, 0.3327,  
0.3674

■ 2.5066, 0.4143,  
0.5808

■ 0.8799, 0.3671,  
0.6329

■ 94.7870, 0.3459,  
0.3953

■ 94.7870, 0.3459,  
0.3953

■ 93.1443, 0.3583,  
0.4214

■ 96.6237, 0.3330,  
0.3691

■ 91.7042, 0.3698,  
0.4465

■ 98.6826, 0.3202,  
0.3435

■ 90.4491, 0.3796,  
0.4695

100.0000, 0.3127,  
0.3290

■ 89.3668, 0.3874,  
0.4892

■ 88.4431, 0.3927,  
0.5050

■ 87.6617, 0.3953,  
0.5161

■ 87.0024, 0.3954,  
0.5227

■ 86.7546, 0.3949,  
0.5246

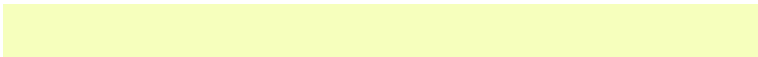
# Harmonies

## Analogous

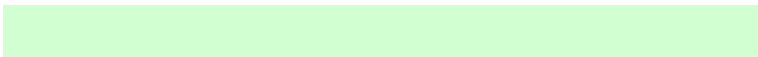
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.7870, 0.3744, 0.3850



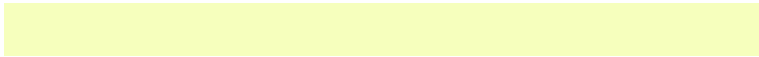
94.7870, 0.3459, 0.3953



94.7870, 0.3095, 0.3856

# Triad

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



94.7870, 0.3459, 0.3953



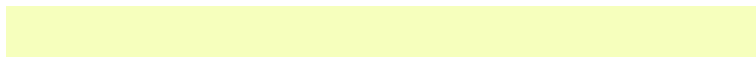
94.7870, 0.2441, 0.2907



94.7870, 0.3495, 0.3022

# Complementary

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



94.7870, 0.3459, 0.3953



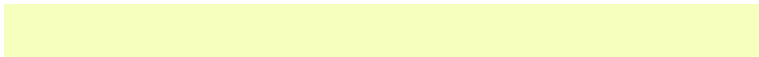
55.6144, 0.2739, 0.2559

# 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.



94.7870, 0.3125, 0.2802



94.7870, 0.3459, 0.3953



94.7870, 0.2532, 0.2726

# Square

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



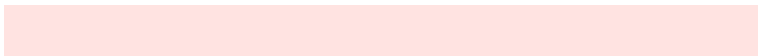
94.7870, 0.3459, 0.3953



94.7870, 0.2519, 0.3216



94.7870, 0.2775, 0.2694

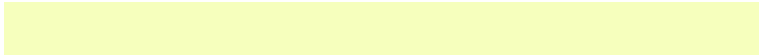


94.7870, 0.3772, 0.3310

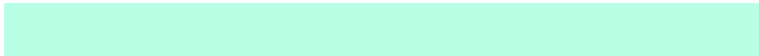


# Rectangle

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



94.7870, 0.3459, 0.3953



94.7870, 0.2859, 0.3683



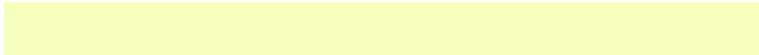
94.7870, 0.2775, 0.2694



94.7870, 0.3376, 0.2939

# Sweetspot

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



94.7807, 0.3459, 0.3953



98.2297, 0.3229, 0.3488



65.2227, 0.3660, 0.3383



20.9574, 0.3248, 0.3526



0.0000, 0.0000, 0.0000

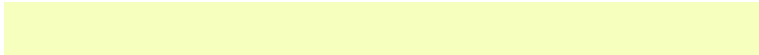


21.4041, 0.3127, 0.3290

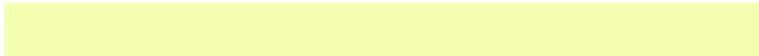


# Same Dimension

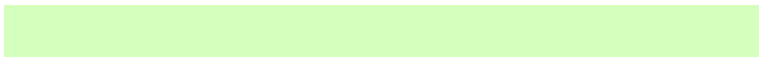
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.7807, 0.3459, 0.3953



93.9193, 0.3523, 0.4087



89.3676, 0.3243, 0.4001



20.9574, 0.3248, 0.3526



45.3799, 0.3954, 0.5243



4.4517, 0.3983, 0.5220



# Inverse Universe

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



55.6144, 0.2739, 0.2559



48.7859, 0.2648, 0.2392



60.5617, 0.2975, 0.2607



17.4968, 0.3000, 0.3046



3.9943, 0.1552, 0.0629

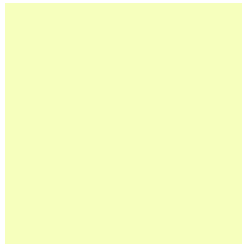


0.4236, 0.1633, 0.0673



# Previews

## White Background



This preview shows how the Yxy color 94.7870, 0.3459, 0.3953 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

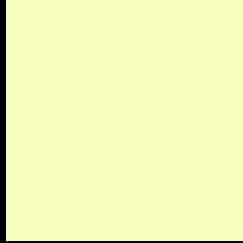
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.7870, 0.3459, 0.3953 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

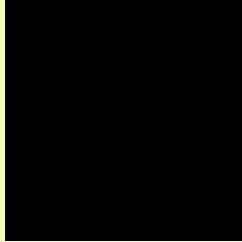
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.7870, 0.3459, 0.3953**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.7870, 0.3459, 0.3953.

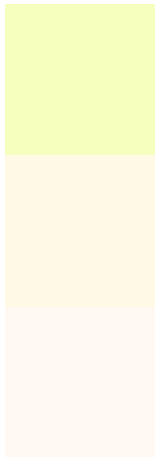


This preview shows how white text looks on a background with the Yxy color 94.7870, 0.3459, 0.3953.

# 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

94.7870, 0.3459, 0.3953

### Protanopia

94.7245, 0.3280, 0.3475

### Deuteranopia

94.8659, 0.3202, 0.3338



## Tritanopia

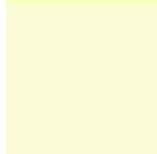
94.4370, 0.3112, 0.3213

# Trichromacy



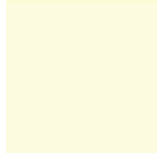
## Original Color

94.7870, 0.3459, 0.3953



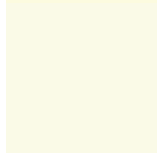
## Protanomaly

94.5961, 0.3349, 0.3646



## Deuteranomaly

95.0175, 0.3301, 0.3565



## Tritanomaly

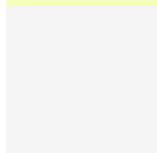
94.4647, 0.3240, 0.3477

# Monochromacy



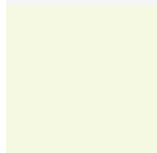
## Original Color

94.7870, 0.3459, 0.3953



## Achromatopsia

91.3099, 0.3127, 0.3290



## Achromatomaly

92.6001, 0.3245, 0.3530

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.7870, 0.3459, 0.3953 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(246, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(246, 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(246, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 94.7870, 0.3459, 0.3953 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(246, 255, 189) }
```

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

```
.border{ border-color:rgb(246, 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(246, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.7870, 0.3459, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 189) }
```

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

```
.background{ background-color: rgb(246,  
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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