

# Converting Colors

$Y_{xy}(100.0000, 0.3378, 0.3935)$

Have a look what the booklet for  
Yxy(100.0000, 0.3378, 0.3935)  
contains.

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# Color

**Yxy(94.8303, 0.3392, 0.3864)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4FFC6
RGB	244, 255, 198
RGB Percent	96%, 100%, 78%
CMY	0.0434, 0.0000, 0.2235
CMYK	0.04, 0.00, 0.22, 0.00
HSL	72°, 100%, 89%
HSV	72°, 22%, 100%
XYZ	83.2465, 94.8303, 67.3433
YIQ	245.2130, 11.7410, -20.0590

# Conversions

## Conversions Part 2

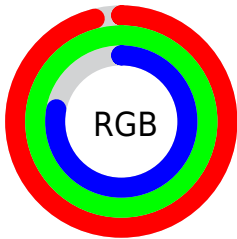
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 255, 209
Decimal	16056262
CIELab	97.97, -12.84, 26.09
CIELCh	98, 29.081, 116.211
Yxy	94.8303, 0.3392, 0.3864
Android (android.graphics.Color)	4294246342 (0xFFFF4FFC6)
YUV	245.2130, -23.2760, -1.0638
Hunter-Lab	97.3809, -17.8249, 27.1649

# Details

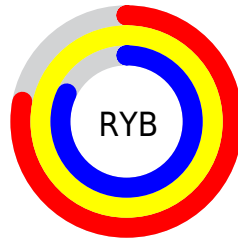
The Yxy color **94.8303, 0.3392, 0.3864** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.1738, 0.2822, 0.2674**, and the grayscale version is **91.6599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.9666, 0.3441, 0.3986** is the 20% darker color. If you saturate the color by 10%, you get **92.8680, 0.3508, 0.4132**, and if you desaturate by 10%, it is **96.9944, 0.3273, 0.3600**.

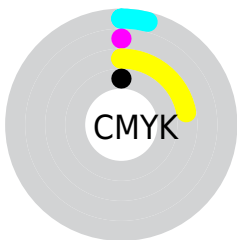
# Distribution



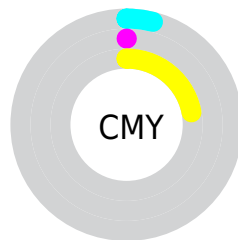
- Red (96%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (82%)



- Cyan (4%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.8303, 0.3392, 0.3864 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 94.8303, 0.3392, 0.3864 by changing the saturation by 10% instead.




 94.8303, 0.3392,  
0.3864

 94.8303, 0.3392,  
0.3864


543.6216, 0.3279,  
0.3606

 71.9937, 0.3416,  
0.3921


154.0301, 0.3355,  
0.3776

 53.1536, 0.3443,  
0.3991


191.1622, 0.3340,  
0.3741

 37.9254, 0.3477,  
0.4077


233.8282, 0.3326,  
0.3711

 25.9248, 0.3518,  
0.4187

282.4126, 0.3315,  
0.3685

 16.7674, 0.3569,  
0.4332

337.2997, 0.3304,  
0.3661

 10.0688, 0.3631,  
0.4530

398.8740, 0.3295,

 5.4446, 0.3707,

0.3641

0.4814

467.5198, 0.3287,  
0.3622

■ 2.5104, 0.3885,  
0.5383

■ 0.8818, 0.3730,  
0.6270

■ 94.8303, 0.3392,  
0.3864

■ 94.8303, 0.3392,  
0.3864

■ 92.8680, 0.3508,  
0.4132

■ 96.9944, 0.3273,  
0.3600


■ 91.1274, 0.3616,  
0.4395


■ 99.3998, 0.3155,  
0.3347


■ 89.5877, 0.3710,  
0.4643


100.0000, 0.3127,  
0.3290

■ 88.2367, 0.3785,  
0.4865

 87.0610, 0.3837,  
0.5050

 86.0450, 0.3863,  
0.5190

 85.1700, 0.3862,  
0.5282

 84.5748, 0.3847,  
0.5327

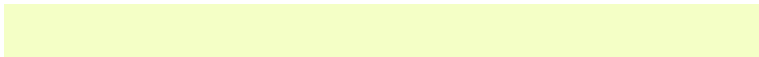
# Harmonies

## Analogous

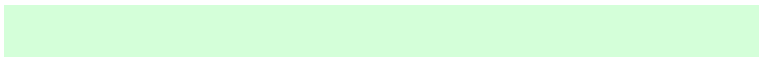
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.8303, 0.3648, 0.3794



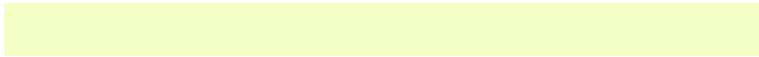
94.8303, 0.3392, 0.3864



94.8303, 0.3073, 0.3762

# Triad

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



94.8303, 0.3392, 0.3864



94.8303, 0.2527, 0.2940



94.8303, 0.3474, 0.3077

# Complementary

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



94.8303, 0.3392, 0.3864



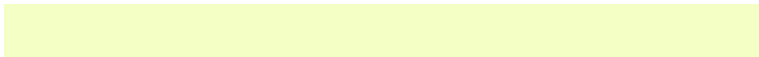
61.1738, 0.2822, 0.2674

# 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.



94.8303, 0.3156, 0.2875



94.8303, 0.3392, 0.3864



94.8303, 0.2620, 0.2789

# Square

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



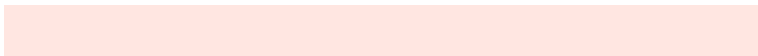
94.8303, 0.3392, 0.3864



94.8303, 0.2583, 0.3201



94.8303, 0.2845, 0.2770



94.8303, 0.3701, 0.3334

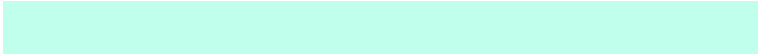


# Rectangle

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



94.8303, 0.3392, 0.3864



94.8303, 0.2869, 0.3606



94.8303, 0.2845, 0.2770



94.8303, 0.3373, 0.3001

# Sweetspot

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



94.8202, 0.3392, 0.3864



98.2523, 0.3209, 0.3463



70.6702, 0.3564, 0.3399



20.9990, 0.3216, 0.3479



0.0000, 0.0000, 0.0000

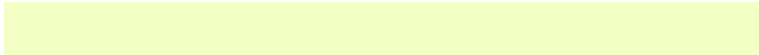


21.4041, 0.3127, 0.3290

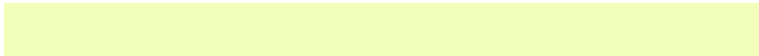


# Same Dimension

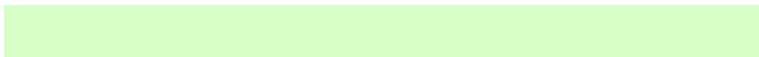
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.8202, 0.3392, 0.3864



93.8858, 0.3447, 0.3988



90.2043, 0.3210, 0.3898



20.9023, 0.3239, 0.3527



44.2553, 0.3853, 0.5322



4.3524, 0.3894, 0.5290



# Inverse Universe

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



61.1738, 0.2822, 0.2674



54.6126, 0.2747, 0.2529



65.6058, 0.3021, 0.2709



17.5473, 0.3009, 0.3046



4.1678, 0.1592, 0.0651

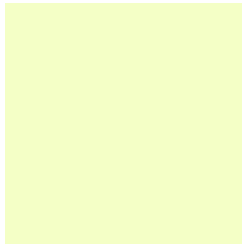


0.4482, 0.1689, 0.0704



# Previews

## White Background



This preview shows how the Yxy color 94.8303, 0.3392, 0.3864 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

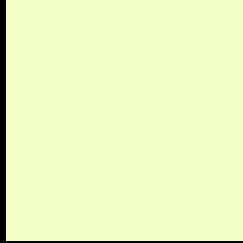
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.8303, 0.3392, 0.3864 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

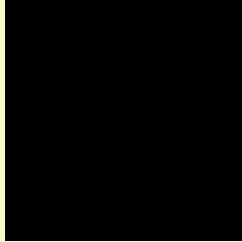
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.8303, 0.3392, 0.3864**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.8303, 0.3392, 0.3864.

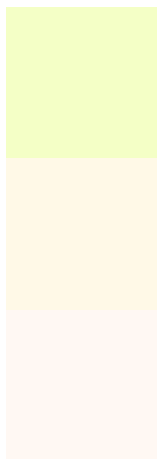


This preview shows how white text looks on a background with the Yxy color 94.8303, 0.3392, 0.3864.

# 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

94.8303, 0.3392, 0.3864

### Protanopia

94.7809, 0.3274, 0.3466

### Deuteranopia

94.8659, 0.3202, 0.3338

## Tritanopia

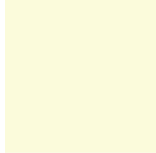
94.8640, 0.3105, 0.3223

# Trichromacy



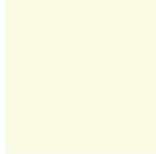
## Original Color

94.8303, 0.3392, 0.3864



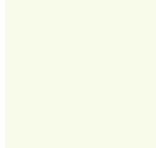
## Protanomaly

94.6181, 0.3318, 0.3606



## Deuteranomaly

95.0496, 0.3270, 0.3526



## Tritanomaly

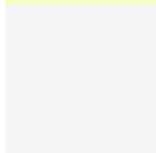
94.8913, 0.3208, 0.3457

# Monochromacy



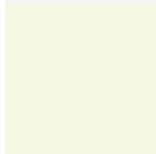
## Original Color

94.8303, 0.3392, 0.3864



## Achromatopsia

91.3099, 0.3127, 0.3290



## Achromatomaly

92.7653, 0.3227, 0.3499

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.8303, 0.3392, 0.3864 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(244, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(244, 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(244, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 94.8303, 0.3392, 0.3864 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(244, 255, 198) }
```

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

```
.border{ border-color:rgb(244, 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(244, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.8303, 0.3392, 0.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 198) }
```

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

```
.background{ background-color: rgb(244,  
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](#).

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