

# Converting Colors

$Y_{xy}(173.2426, 0.3219, 0.4540)$

Have a look what the booklet for  
Yxy(173.2426, 0.3219, 0.4540)  
contains.

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# Color

**Yxy(94.8535, 0.3332, 0.3784)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FFCE
RGB	242, 255, 206
RGB Percent	95%, 100%, 81%
CMY	0.0509, 0.0000, 0.1922
CMYK	0.05, 0.00, 0.19, 0.00
HSL	76°, 100%, 90%
HSV	76°, 19%, 100%
XYZ	83.5232, 94.8535, 72.2932
YIQ	245.5270, 7.9810, -17.9950

# Conversions

## Conversions Part 2

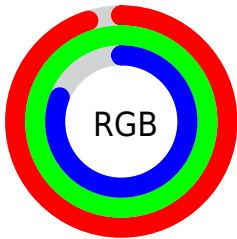
Format	Color
R <sub>Y</sub> B	206, 255, 219
Decimal	15925198
CIE Lab	97.97, -12.35, 22.03
CIE LCh	98, 25.258, 119.285
Yxy	94.8535, 0.3332, 0.3784
Android (android.graphics.Color)	4294115278 (0xFFFF2FFCE)
YUV	245.5270, -19.4868, -3.0932
Hunter-Lab	97.3928, -17.3572, 24.1648

# Details

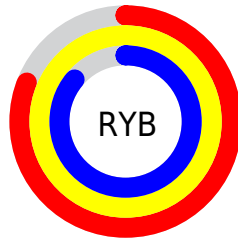
The Yxy color **94.8535, 0.3332, 0.3784** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.4148, 0.2894, 0.2773**, and the grayscale version is **91.9168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.0943, 0.3372, 0.3883** is the 20% darker color. If you saturate the color by 10%, you get **92.5436, 0.3437, 0.4057**, and if you desaturate by 10%, it is **97.4159, 0.3225, 0.3520**.

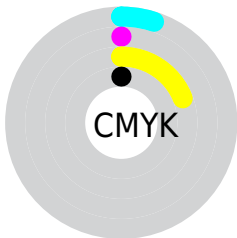
# Distribution



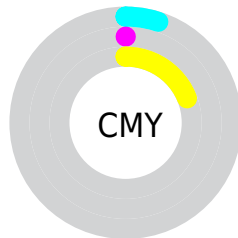
- Red (95%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (86%)



- Cyan (5%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.8535, 0.3332, 0.3784 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 94.8535, 0.3332, 0.3784 by changing the saturation by 10% instead.



94.8535, 0.3332,  
0.3784

94.8535, 0.3332,  
0.3784

543.6959, 0.3244,  
0.3562

72.0130, 0.3350,  
0.3833

154.0622, 0.3303,  
0.3708

53.1693, 0.3372,  
0.3893

191.1992, 0.3291,  
0.3678

37.9380, 0.3398,  
0.3968

233.8706, 0.3281,  
0.3652

25.9345, 0.3431,  
0.4064

282.4606, 0.3272,  
0.3630

16.7747, 0.3471,  
0.4190

337.3538, 0.3264,  
0.3610

10.0740, 0.3522,  
0.4365

398.9345, 0.3257,

5.4480, 0.3586,

0.3592

0.4618

467.5870, 0.3250,  
0.3576

■ 2.5125, 0.3687,  
0.5053

■ 0.8829, 0.3784,  
0.6216

■ 94.8535, 0.3332,  
0.3784

■ 94.8535, 0.3332,  
0.3784

■ 92.5436, 0.3437,  
0.4057


■ 97.4159, 0.3225,  
0.3520


■ 90.4651, 0.3535,  
0.4331


100.0000, 0.3127,  
0.3290


■ 88.6106, 0.3621,  
0.4596

■ 86.9683, 0.3690,  
0.4841

 85.5247, 0.3737,  
0.5053

 84.2649, 0.3758,  
0.5223

 83.1709, 0.3753,  
0.5345

 82.2160, 0.3726,  
0.5421

 82.1447, 0.3723,  
0.5426

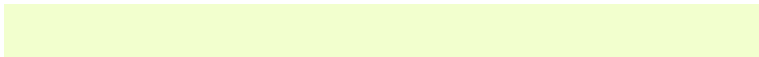
# Harmonies

## Analogous

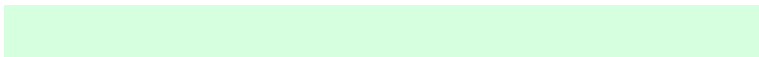
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.8535, 0.3563, 0.3741



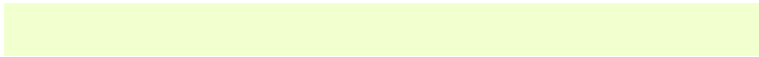
94.8535, 0.3332, 0.3784



94.8535, 0.3053, 0.3679

# Triad

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



94.8535, 0.3332, 0.3784



94.8535, 0.2605, 0.2969



94.8535, 0.3454, 0.3126

# Complementary

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



94.8535, 0.3332, 0.3784



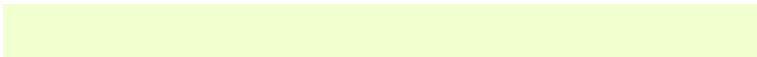
66.4148, 0.2894, 0.2773

# Split Complementary

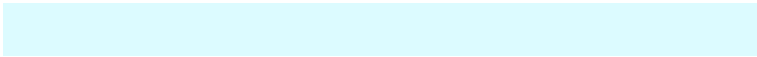
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.8535, 0.3183, 0.2941



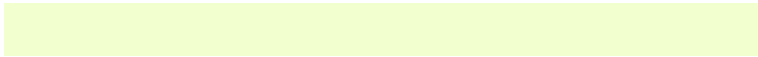
94.8535, 0.3332, 0.3784



94.8535, 0.2700, 0.2846

# Square

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



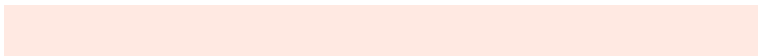
94.8535, 0.3332, 0.3784



94.8535, 0.2641, 0.3189



94.8535, 0.2908, 0.2840



94.8535, 0.3638, 0.3355

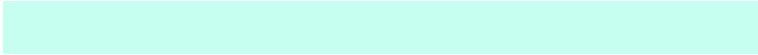


# Rectangle

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



94.8535, 0.3332, 0.3784



94.8535, 0.2879, 0.3538



94.8535, 0.2908, 0.2840



94.8535, 0.3369, 0.3057

# Sweetspot

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



94.8571, 0.3332, 0.3784



98.2931, 0.3191, 0.3438



75.9858, 0.3484, 0.3416



21.0002, 0.3198, 0.3455



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

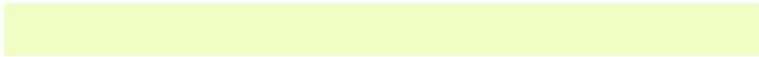


# Same Dimension

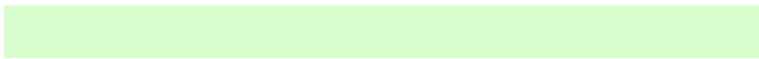
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.8571, 0.3332, 0.3784



93.9540, 0.3372, 0.3886



90.9191, 0.3179, 0.3808



20.8346, 0.3228, 0.3528



42.9989, 0.3731, 0.5419



4.2399, 0.3786, 0.5376



# Inverse Universe

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



66.4148, 0.2894, 0.2773



60.8373, 0.2841, 0.2660



70.3692, 0.3061, 0.2798



17.6103, 0.3020, 0.3047



4.4672, 0.1659, 0.0688

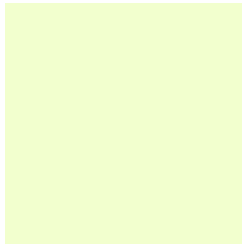


0.4854, 0.1771, 0.0749



# Previews

## White Background



This preview shows how the Yxy color 94.8535, 0.3332, 0.3784 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

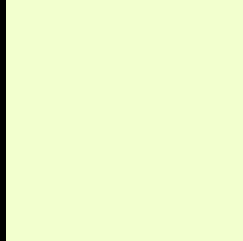
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.8535, 0.3332, 0.3784 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

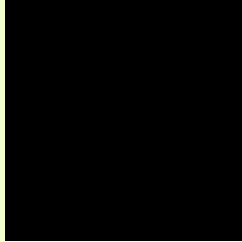
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

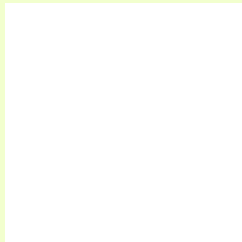
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.8535, 0.3332, 0.3784**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.8535, 0.3332, 0.3784.

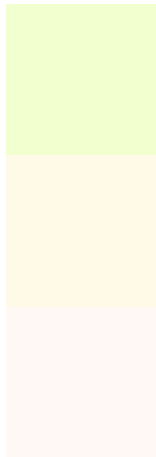


This preview shows how white text looks on a background with the Yxy color 94.8535, 0.3332, 0.3784.

# 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

94.8535, 0.3332, 0.3784

### Protanopia

94.8376, 0.3268, 0.3456

### Deuteranopia

94.9265, 0.3196, 0.3329

## **Tritanopia**

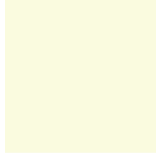
94.6788, 0.3099, 0.3223

# Trichromacy



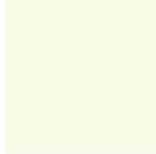
## Original Color

94.8535, 0.3332, 0.3784



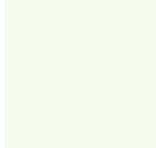
## Protanomaly

94.6461, 0.3288, 0.3567



## Deuteranomaly

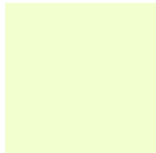
95.0315, 0.3245, 0.3496



## Tritanomaly

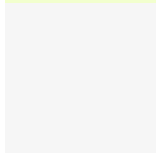
94.8829, 0.3184, 0.3428

# Monochromacy



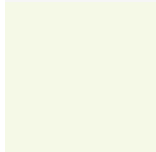
## Original Color

94.8535, 0.3332, 0.3784



## Achromatopsia

92.1582, 0.3127, 0.3290



## Achromatomaly

92.9334, 0.3209, 0.3469

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.8535, 0.3332, 0.3784 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(242, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 206)  
}
```

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(242, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 94.8535, 0.3332, 0.3784 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(242, 255, 206) }
```

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

```
.border{ border-color:rgb(242, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.8535, 0.3332, 0.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 206) }
```

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

```
.background{ background-color: rgb(242,  
255, 206) }
```

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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