

# Converting Colors

$Yxy(94.2768, 0.3486, 0.3834)$

Have a look what the booklet for  
Yxy(94.2768, 0.3486, 0.3834)  
contains.

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# **Color**

**Yxy(94.2399, 0.3486, 0.3833)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBC4
RGB	255, 251, 196
RGB Percent	100%, 98%, 77%
CMY	0.0000, 0.0157, 0.2312
CMYK	0.00, 0.02, 0.23, 0.00
HSL	56°, 100%, 88%
HSV	56°, 23%, 100%
XYZ	85.7084, 94.2399, 65.9163
YIQ	245.9260, 20.0390, -16.2570

# Conversions

## Conversions Part 2

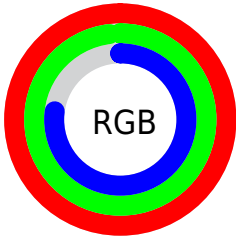
Format	Color
R <sub>Y</sub> B	200, 255, 196
Decimal	16776132
CIE Lab	97.73, -7.15, 26.89
CIE LCh	98, 27.829, 104.893
Yxy	94.2399, 0.3486, 0.3833
Android (android.graphics.Color)	4294966212 (0xFFFFFBC4)
YUV	245.9260, -24.6135, 7.9579
Hunter-Lab	97.0772, -12.2895, 27.6956

# Details

The Yxy color **94.2399, 0.3486, 0.3833** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.2850, 0.2735, 0.2682**, and the grayscale version is **92.2886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **52.9890, 0.3559, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **92.1003, 0.3645, 0.4069**, and if you desaturate by 10%, it is **96.5887, 0.3327, 0.3595**.

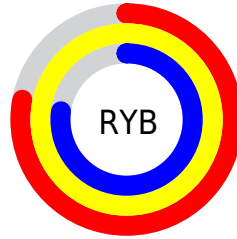
# Distribution



Red (100%)

Green (98%)

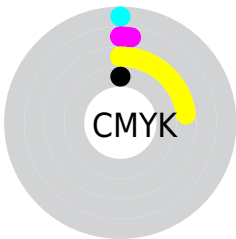
Blue (77%)



Red (78%)

Yellow (100%)

Blue (77%)

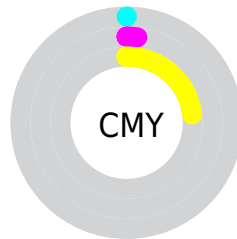


Cyan (0%)

Magenta (2%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.2399, 0.3486, 0.3833 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 94.2399, 0.3486, 0.3833 by changing the saturation by 10% instead.



 94.2399, 0.3486,  
0.3833

 94.2399, 0.3486,  
0.3833


541.7287, 0.3330,  
0.3591

 71.5025, 0.3519,  
0.3886

153.2141, 0.3434,  
0.3751

 52.7524, 0.3559,  
0.3950


190.2197, 0.3413,  
0.3718

 37.6051, 0.3607,  
0.4030

232.7501, 0.3395,  
0.3690

 25.6764, 0.3666,  
0.4130

281.1897, 0.3379,  
0.3665

 16.5817, 0.3741,  
0.4260

335.9230, 0.3365,  
0.3644

 9.9367, 0.3838,  
0.4436

397.3344, 0.3352,

 5.3570, 0.3962,

0.3624

0.4681

465.8081, 0.3341,  
0.3607

■ 2.4582, 0.4252,  
0.5204

■ 0.8556, 0.4274,  
0.5726

■ 94.2399, 0.3486,  
0.3833

■ 94.2399, 0.3486,  
0.3833

■ 92.1003, 0.3645,  
0.4069

■ 96.5887, 0.3327,  
0.3595

■ 90.1569, 0.3800,  
0.4295

■ 99.1531, 0.3174,  
0.3361

■ 88.3999, 0.3944,  
0.4499

100.0000, 0.3127,  
0.3290

■ 86.8173, 0.4070,  
0.4672

■ 85.3956, 0.4174,  
0.4806

■ 84.1193, 0.4250,  
0.4896

■ 82.9695, 0.4299,  
0.4941

■ 82.2334, 0.4320,  
0.4952

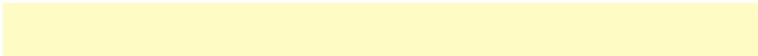
# Harmonies

## Analogous

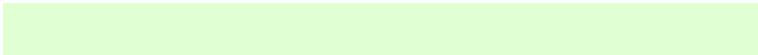
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.2399, 0.3688, 0.3713



94.2399, 0.3486, 0.3833



94.2399, 0.3193, 0.3798

# Triad

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



94.2399, 0.3486, 0.3833



94.2399, 0.2554, 0.3039



94.2399, 0.3350, 0.3003

# Complementary

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



94.2399, 0.3486, 0.3833



60.2850, 0.2735, 0.2682

# 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.



94.2399, 0.3037, 0.2840



94.2399, 0.3486, 0.3833



94.2399, 0.2590, 0.2849

# Square

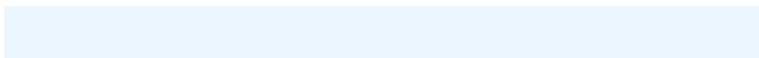
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.2399, 0.3486, 0.3833



94.2399, 0.2662, 0.3317



94.2399, 0.2762, 0.2783



94.2399, 0.3611, 0.3237

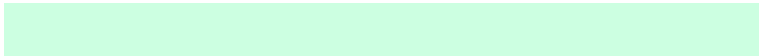


# Rectangle

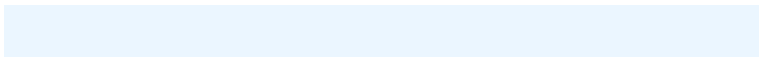
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.2399, 0.3486, 0.3833



94.2399, 0.2988, 0.3683



94.2399, 0.2762, 0.2783



94.2399, 0.3247, 0.2939

# Sweetspot

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



94.2409, 0.3486, 0.3833



98.1329, 0.3232, 0.3451



64.9698, 0.3567, 0.3241



20.9711, 0.3242, 0.3465



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

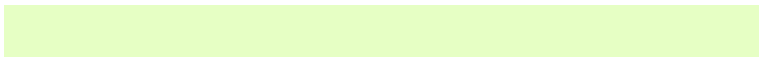
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.2409, 0.3486, 0.3833



93.1718, 0.3564, 0.3949



92.4014, 0.3314, 0.3901



20.8672, 0.3271, 0.3509



43.0586, 0.4317, 0.4954



4.2534, 0.4302, 0.4966



# Inverse Universe

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



60.2850, 0.2735, 0.2682



53.5177, 0.2641, 0.2533



62.0251, 0.2903, 0.2667



17.5755, 0.2978, 0.3061



4.0599, 0.1512, 0.0641

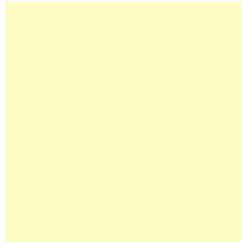


0.4612, 0.1538, 0.0735



# Previews

## White Background



This preview shows how the Yxy color 94.2399, 0.3486, 0.3833 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

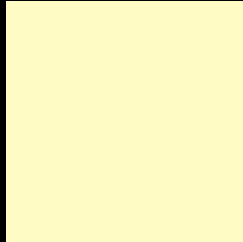
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.2399, 0.3486, 0.3833 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

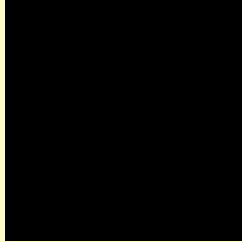
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.2399, 0.3486, 0.3833**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.2399, 0.3486, 0.3833.

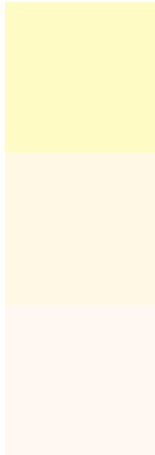


This preview shows how white text looks on a background with the Yxy color 94.2399, 0.3486, 0.3833.

# 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

94.2399, 0.3486, 0.3833

### Protanopia

94.0519, 0.3287, 0.3476

### Deuteranopia

94.1923, 0.3209, 0.3339

## **Tritanopia**

94.3273, 0.3137, 0.3214

# Trichromacy



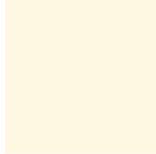
## Original Color

94.2399, 0.3486, 0.3833



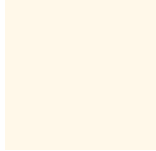
## Protanomaly

94.0211, 0.3360, 0.3605



## Deuteranomaly

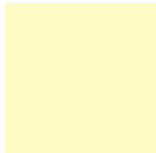
93.8310, 0.3312, 0.3515



## Tritanomaly

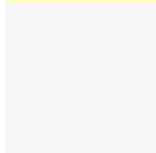
94.2780, 0.3263, 0.3436

# Monochromacy



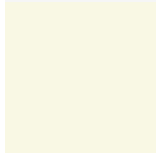
## Original Color

94.2399, 0.3486, 0.3833



## Achromatopsia

92.1582, 0.3127, 0.3290



## Achromatomaly

92.8760, 0.3254, 0.3488

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.2399, 0.3486, 0.3833 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(255, 251, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 196)  
}
```

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(255, 251, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 94.2399, 0.3486, 0.3833 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(255, 251, 196) }
```

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

```
.border{ border-color:rgb(255, 251, 196) }
```

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

Here you see how a box with a 4 pixel rgb(255, 251, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.2399, 0.3486, 0.3833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 196) }
```

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

```
.background{ background-color: rgb(255,  
251, 196) }
```

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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