

# Converting Colors

$Yxy(93.4998, 0.3710, 0.4254)$

Have a look what the booklet for  
Yxy(93.4998, 0.3710, 0.4254)  
contains.

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# Color

**Yxy(93.4998, 0.3710, 0.4254)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDFD9B
RGB	253, 253, 155
RGB Percent	99%, 99%, 61%
CMY	0.0079, 0.0078, 0.3922
CMYK	0.00, 0.00, 0.39, 0.01
HSL	60°, 96%, 80%
HSV	60°, 39%, 99%
XYZ	81.5431, 93.4998, 44.7498
YIQ	241.8280, 31.4580, -30.4780

# Conversions

## Conversions Part 2

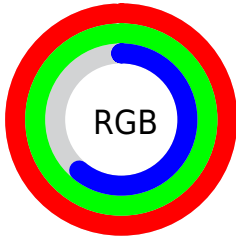
Format	Color
<a href="#">RYB</a>	<a href="#">155, 253, 155</a>
Decimal	<a href="#">16645531</a>
CIELab	<a href="#">97.43, -13.82, 46.87</a>
CIELCh	<a href="#">97, 48.866, 106.430</a>
Yxy	<a href="#">93.4998, 0.3710, 0.4254</a>
Android (android.graphics.Color)	<a href="#">4294835611 (0xFFFD9B)</a>
YUV	<a href="#">241.8280, -42.8062, 9.7978</a>
Hunter-Lab	<a href="#">96.6953, -18.6878, 40.2478</a>

# Details

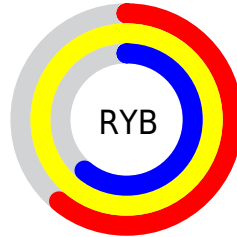
The Yxy color **93.4998, 0.3710, 0.4254** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.4985, 0.2409, 0.2102**, and the grayscale version is **88.9756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **52.0413, 0.3817, 0.4450** is the 20% darker color. If you saturate the color by 10%, you get **92.7397, 0.3846, 0.4478**, and if you desaturate by 10%, it is **94.4465, 0.3563, 0.4011**.

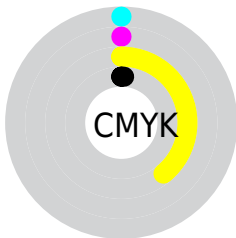
# Distribution



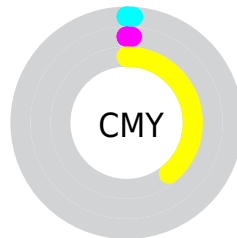
- Red (99%)
- Green (99%)
- Blue (61%)



- Red (61%)
- Yellow (99%)
- Blue (61%)



- Cyan (0%)
- Magenta (0%)
- Yellow (39%)
- Black (1%)




- Cyan (1%)
- Magenta (1%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.4998, 0.3710, 0.4254 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 93.4998, 0.3710, 0.4254 by changing the saturation by 10% instead.





 93.4998, 0.3710,  
0.4254


 93.4998, 0.3710,  
0.4254


539.3510, 0.3466,  
0.3825

 70.8870, 0.3758,  
0.4346


 152.1904, 0.3631,  
0.4110

 52.2500, 0.3814,  
0.4456


 189.0370, 0.3599,  
0.4052

 37.2044, 0.3879,  
0.4590


231.3969, 0.3570,  
0.4002

 25.3658, 0.3952,  
0.4754

279.6546, 0.3545,  
0.3958

 16.3498, 0.4034,  
0.4959

334.1945, 0.3522,  
0.3919

 9.7720, 0.4115,  
0.5213

395.4009, 0.3502,

 5.2480, 0.4289,

0.3884

0.5679

463.6583, 0.3483,  
0.3853

■ 2.3935, 0.4126,  
0.5874

■ 0.8226, 0.3508,  
0.6492

■ 93.4998, 0.3710,  
0.4254

■ 93.4998, 0.3710,  
0.4254

■ 92.7397, 0.3846,  
0.4478

■ 94.4465, 0.3563,  
0.4011

■ 92.1422, 0.3964,  
0.4674


■ 95.5773, 0.3410,  
0.3758

■ 91.6991, 0.4059,  
0.4832


■ 96.9058, 0.3258,  
0.3506

■ 91.3961, 0.4129,  
0.4947

■ 98.3644, 0.3116,  
0.3271

 91.2164, 0.4171,  
0.5018

 98.3660, 0.3116,  
0.3271

 91.1357, 0.4191,  
0.5050

 98.3676, 0.3116,  
0.3271

 91.1286, 0.4193,  
0.5053

 98.3691, 0.3116,  
0.3271

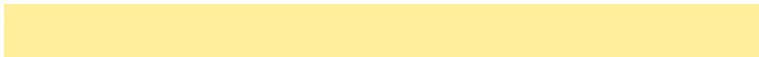
 98.3707, 0.3116,  
0.3271

 98.3723, 0.3116,  
0.3271

# Harmonies

## Analogous

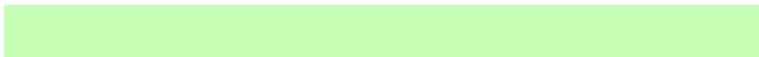
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4998, 0.4090, 0.4014



93.4998, 0.3710, 0.4254



93.4998, 0.3192, 0.4208

# Triad

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



93.4998, 0.3710, 0.4254



93.4998, 0.2155, 0.2808



93.4998, 0.3539, 0.2819

# Complementary

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



93.4998, 0.3710, 0.4254



37.4985, 0.2409, 0.2102

# 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.



93.4998, 0.2986, 0.2547



93.4998, 0.3710, 0.4254



93.4998, 0.2226, 0.2515

# Square

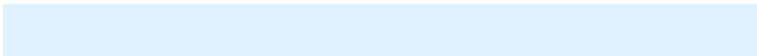
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.4998, 0.3710, 0.4254



93.4998, 0.2312, 0.3291



93.4998, 0.2516, 0.2434



93.4998, 0.4003, 0.3200

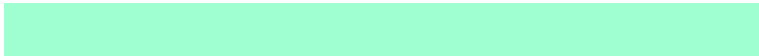


# Rectangle

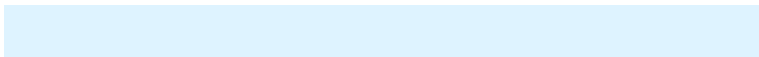
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.4998, 0.3710, 0.4254



93.4998, 0.2843, 0.3990



93.4998, 0.2516, 0.2434



93.4998, 0.3355, 0.2714

# Sweetspot

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



93.5041, 0.3710, 0.4254



98.1816, 0.3307, 0.3588



46.6871, 0.4101, 0.3293



20.9765, 0.3327, 0.3621



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

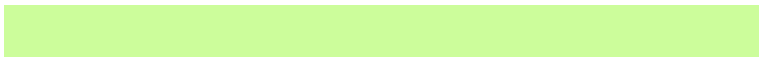
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.5041, 0.3710, 0.4254



94.5990, 0.3810, 0.4420



85.4619, 0.3374, 0.4373



21.0905, 0.3269, 0.3525



48.4713, 0.4193, 0.5053



4.7196, 0.4193, 0.5053



# Inverse Universe

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



37.4985, 0.2409, 0.2102



30.6920, 0.2250, 0.1840



43.3657, 0.2771, 0.2211



17.3781, 0.2978, 0.3044



3.7730, 0.1500, 0.0600

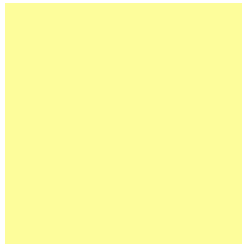


0.3675, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 93.4998, 0.3710, 0.4254 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

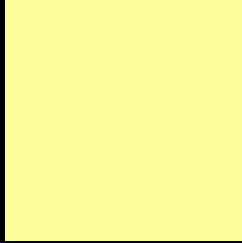
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.4998, 0.3710, 0.4254 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

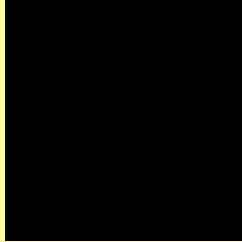
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.4998, 0.3710, 0.4254**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.4998, 0.3710, 0.4254.



This preview shows how white text looks on a background with the Yxy color 93.4998, 0.3710, 0.4254.

# Color Blindness Simulation

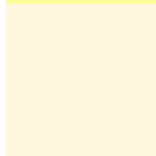
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



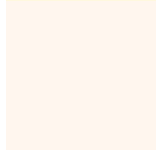
### Original Color

93.4998, 0.3710, 0.4254



### Protanopia

93.6687, 0.3330, 0.3545



### Deuteranopia

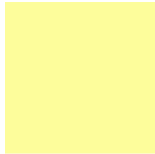
93.3446, 0.3234, 0.3368



## Tritanopia

93.6567, 0.3144, 0.3213

# Trichromacy



## Original Color

93.4998, 0.3710, 0.4254



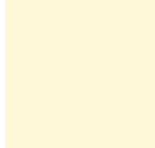
## Protanomaly

93.5193, 0.3469, 0.3805



## Deuteranomaly

93.3763, 0.3409, 0.3696



## Tritanomaly

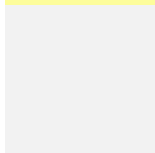
93.2154, 0.3355, 0.3596

# Monochromacy



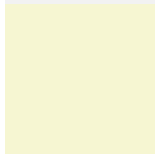
## Original Color

93.4998, 0.3710, 0.4254



## Achromatopsia

88.7923, 0.3127, 0.3290



## Achromatomaly

90.1575, 0.3347, 0.3653

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.4998, 0.3710, 0.4254 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(253, 253, 155)` looks like.

```
.text, #text, p{  
    color:rgb(253, 253, 155)  
}
```

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(253, 253, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 253, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 93.4998, 0.3710, 0.4254 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(253, 253, 155) }
```

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

```
.border{ border-color:rgb(253, 253, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 253, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 253, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 253, 155);  
box-shadow:4px 4px 4px 4px rgb(253, 253,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.4998, 0.3710, 0.4254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 253, 155) }
```

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

```
.background{ background-color: rgb(253,  
253, 155) }
```

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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