

# Converting Colors

$Y_{xy}(100.0000, 0.3498, 0.4182)$

Have a look what the booklet for  
Yxy(100.0000, 0.3498, 0.4182)  
contains.

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# Color

**Yxy(93.6698, 0.3521, 0.4099)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3FFAF
RGB	243, 255, 175
RGB Percent	95%, 100%, 69%
CMY	0.0470, 0.0000, 0.3138
CMYK	0.05, 0.00, 0.31, 0.00
HSL	69°, 100%, 84%
HSV	69°, 31%, 100%
XYZ	80.4614, 93.6698, 54.3874
YIQ	242.2920, 18.5280, -27.4240

# Conversions

## Conversions Part 2

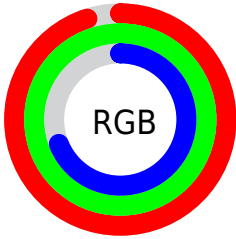
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 255, 187
Decimal	15990703
CIELab	97.50, -16.23, 37.00
CIELCh	97, 40.402, 113.682
Yxy	93.6698, 0.3521, 0.4099
Android (android.graphics.Color)	4294180783 (0xFFFF3FFAF)
YUV	242.2920, -33.1750, 0.6209
Hunter-Lab	96.7832, -20.9732, 34.4301

# Details

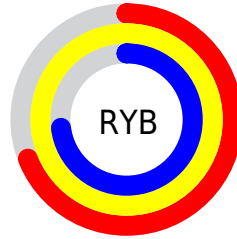
The Yxy color **93.6698, 0.3521, 0.4099** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.4353, 0.2648, 0.2381**, and the grayscale version is **89.2940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **52.2324, 0.3592, 0.4269** is the 20% darker color. If you saturate the color by 10%, you get **92.0894, 0.3638, 0.4358**, and if you desaturate by 10%, it is **95.4565, 0.3396, 0.3835**.

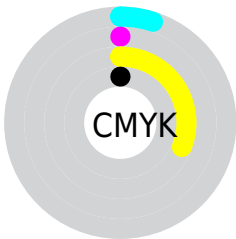
# Distribution



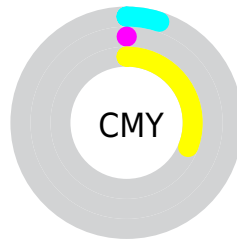
- Red (95%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (73%)



- Cyan (5%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.6698, 0.3521, 0.4099 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 93.6698, 0.3521, 0.4099 by changing the saturation by 10% instead.




 93.6698, 0.3521,  
0.4099

 93.6698, 0.3521,  
0.4099


539.8977, 0.3356,  
0.3734

 71.0283, 0.3554,  
0.4179

 152.4256, 0.3467,  
0.3975

 52.3653, 0.3593,  
0.4277


189.3087, 0.3445,  
0.3926

 37.2964, 0.3639,  
0.4397


231.7079, 0.3426,  
0.3883

 25.4370, 0.3693,  
0.4549

280.0074, 0.3409,  
0.3846

 16.4030, 0.3755,  
0.4746

334.5918, 0.3393,  
0.3813

 9.8097, 0.3823,  
0.5006

395.8454, 0.3379,

 5.2730, 0.3890,

0.3784

0.5369

464.1525, 0.3367,  
0.3758

■ 2.4083, 0.3993,  
0.6007

■ 0.8302, 0.3212,  
0.6788

■ 93.6698, 0.3521,  
0.4099

■ 93.6698, 0.3521,  
0.4099

■ 92.0894, 0.3638,  
0.4358

■ 95.4565, 0.3396,  
0.3835

■ 90.7001, 0.3742,  
0.4600

■ 97.4549, 0.3270,  
0.3574

■ 89.4915, 0.3828,  
0.4816

■ 99.6759, 0.3144,  
0.3324

■ 88.4505, 0.3890,  
0.4995

100.0000, 0.3127,  
0.3290

■ 87.5618, 0.3925,  
0.5131

■ 86.8072, 0.3935,  
0.5219

■ 86.2401, 0.3926,  
0.5265

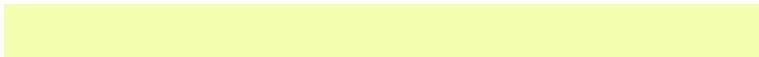
# Harmonies

## Analogous

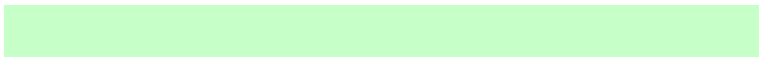
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.6698, 0.3870, 0.3963



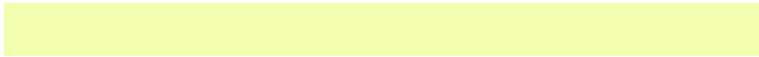
93.6698, 0.3521, 0.4099



93.6698, 0.3081, 0.3985

# Triad

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



93.6698, 0.3521, 0.4099



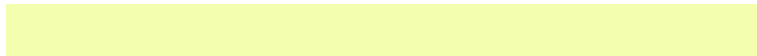
93.6698, 0.2306, 0.2821



93.6698, 0.3575, 0.2968

# Complementary

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



93.6698, 0.3521, 0.4099



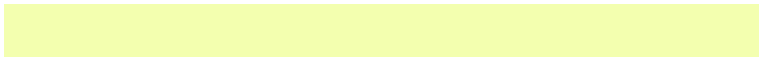
48.4353, 0.2648, 0.2381

# 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.



93.6698, 0.3123, 0.2708



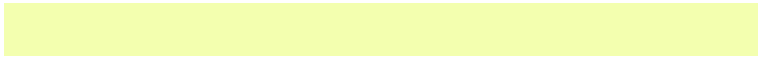
93.6698, 0.3521, 0.4099



93.6698, 0.2414, 0.2610

# Square

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



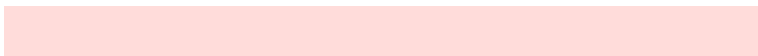
93.6698, 0.3521, 0.4099



93.6698, 0.2396, 0.3191



93.6698, 0.2702, 0.2578

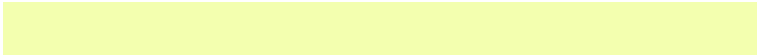


93.6698, 0.3913, 0.3308

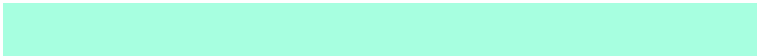


# Rectangle

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



93.6698, 0.3521, 0.4099



93.6698, 0.2798, 0.3771



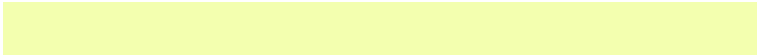
93.6698, 0.2702, 0.2578



93.6698, 0.3429, 0.2870

# Sweetspot

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



93.6713, 0.3521, 0.4099



97.9627, 0.3239, 0.3514



59.3264, 0.3813, 0.3404



20.9012, 0.3258, 0.3551



0.0000, 0.0000, 0.0000

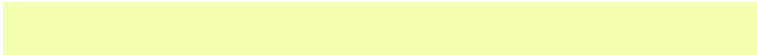


21.4041, 0.3127, 0.3290



# Same Dimension

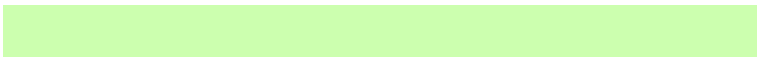
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.6713, 0.3521, 0.4099



92.6017, 0.3600, 0.4271



87.4977, 0.3264, 0.4170



20.9448, 0.3246, 0.3526



45.1146, 0.3931, 0.5261



4.4284, 0.3962, 0.5236



# Inverse Universe

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



48.4353, 0.2648, 0.2381



40.5486, 0.2525, 0.2158



53.9879, 0.2935, 0.2451



17.5083, 0.3002, 0.3046



4.0288, 0.1560, 0.0633

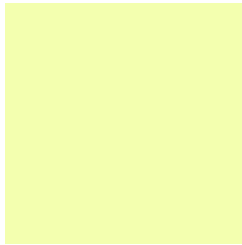


0.4290, 0.1645, 0.0680



# Previews

## White Background



This preview shows how the Yxy color 93.6698, 0.3521, 0.4099 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

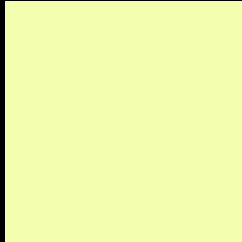
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.6698, 0.3521, 0.4099 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

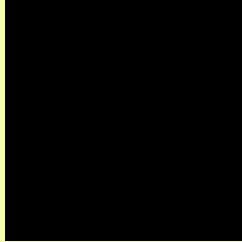
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.6698, 0.3521, 0.4099**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.6698, 0.3521, 0.4099.

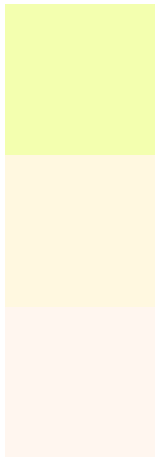


This preview shows how white text looks on a background with the Yxy color 93.6698, 0.3521, 0.4099.

# 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

93.6698, 0.3521, 0.4099

### Protanopia

93.7766, 0.3318, 0.3525

### Deuteranopia

93.4035, 0.3228, 0.3358

## Tritanopia

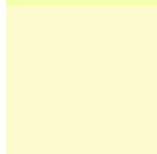
93.6408, 0.3106, 0.3203

# Trichromacy



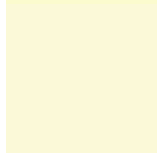
## Original Color

93.6698, 0.3521, 0.4099



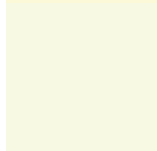
## Protanomaly

93.9598, 0.3398, 0.3737



## Deuteranomaly

93.2185, 0.3339, 0.3617



## Tritanomaly

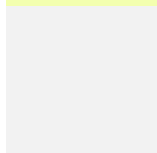
93.1988, 0.3258, 0.3518

# Monochromacy



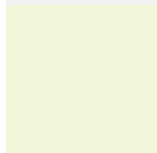
## Original Color

93.6698, 0.3521, 0.4099



## Achromatopsia

88.7923, 0.3127, 0.3290



## Achromatomaly

90.4607, 0.3270, 0.3584

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.6698, 0.3521, 0.4099 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(243, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 175)  
}
```

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(243, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 93.6698, 0.3521, 0.4099 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(243, 255, 175) }
```

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

```
.border{ border-color:rgb(243, 255, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 255, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.6698, 0.3521, 0.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 175) }
```

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

```
.background{ background-color: rgb(243,  
255, 175) }
```

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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