

# Converting Colors

$Y_{xy}(93.7132, 0.3433, 0.3796)$

Have a look what the booklet for  
Yxy(93.7132, 0.3433, 0.3796)  
contains.

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# Color

**Yxy(93.6737, 0.3434, 0.3798)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBFBC8
RGB	251, 251, 200
RGB Percent	98%, 98%, 78%
CMY	0.0159, 0.0156, 0.2156
CMYK	0.00, 0.00, 0.20, 0.02
HSL	60°, 86%, 88%
HSV	60°, 20%, 98%
XYZ	84.6960, 93.6737, 68.2698
YIQ	245.1860, 16.3710, -15.8610

# Conversions

## Conversions Part 2

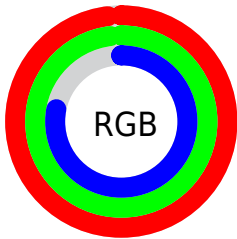
Format	Color
<a href="#">RYB</a>	<a href="#">200, 251, 200</a>
Decimal	<a href="#">16513992</a>
CIELab	<a href="#">97.50, -8.08, 24.51</a>
CIElCh	<a href="#">98, 25.807, 108.241</a>
Yxy	<a href="#">93.6737, 0.3434, 0.3798</a>
Android (android.graphics.Color)	<a href="#">4294704072</a> ( <a href="#">0xFFFBFBC8</a> )
YUV	<a href="#">245.1860, -22.2767, 5.0989</a>
Hunter-Lab	<a href="#">96.7852, -13.1700, 25.9279</a>

# Details

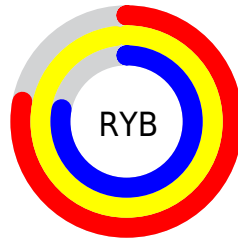
The Yxy color **93.6737, 0.3434, 0.3798** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.5729, 0.2786, 0.2726**, and the grayscale version is **91.6400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.5749, 0.3494, 0.3912** is the 20% darker color. If you saturate the color by 10%, you get **92.5932, 0.3586, 0.4050**, and if you desaturate by 10%, it is **94.9552, 0.3281, 0.3545**.

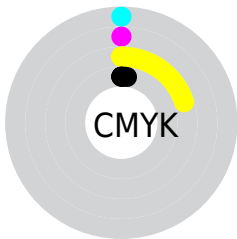
# Distribution



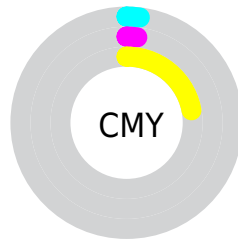
- Red (98%)
- Green (98%)
- Blue (78%)



- Red (78%)
- Yellow (98%)
- Blue (78%)



- Cyan (0%)
- Magenta (0%)
- Yellow (20%)
- Black (2%)




- Cyan (2%)
- Magenta (2%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.6737, 0.3434, 0.3798 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 93.6737, 0.3434, 0.3798 by changing the saturation by 10% instead.




 93.6737, 0.3434,  
0.3798

 93.6737, 0.3434,  
0.3798

539.9102, 0.3301,  
0.3571

 71.0316, 0.3462,  
0.3848

152.4310, 0.3389,  
0.3721

 52.3680, 0.3496,  
0.3909

189.3150, 0.3372,  
0.3690

 37.2985, 0.3538,  
0.3984


231.7150, 0.3356,  
0.3664

 25.4387, 0.3589,  
0.4080

280.0155, 0.3342,  
0.3640

 16.4042, 0.3654,  
0.4206

334.6009, 0.3330,  
0.3620

 9.8106, 0.3737,  
0.4376


395.8556, 0.3319,


 5.2736, 0.3847,


0.3602


0.4619


464.1639, 0.3310,  
0.3585


 2.4087, 0.4072,  
0.5091


 0.8303, 0.4162,  
0.5838


 93.6737, 0.3434,  
0.3798


 93.6737, 0.3434,  
0.3798

 92.5932, 0.3586,  
0.4050


 94.9552, 0.3281,  
0.3545

 91.6919, 0.3731,  
0.4291


 96.4340, 0.3132,  
0.3298

 90.9636, 0.3864,  
0.4511


 96.7435, 0.3104,  
0.3252

 90.3973, 0.3979,  
0.4701


 96.7491, 0.3104,  
0.3252

 89.9805, 0.4070,  
0.4853


 96.7546, 0.3105,  
0.3252


 89.6989, 0.4136,  
0.4961


 96.7602, 0.3105,  
0.3252

 89.5354, 0.4174,  
0.5026

 96.7657, 0.3105,  
0.3252

 89.4628, 0.4191,  
0.5054

 96.7713, 0.3105,  
0.3252

 96.7768, 0.3105,  
0.3252

# Harmonies

## Analogous

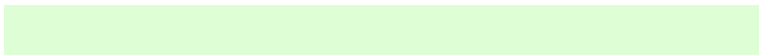
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.6737, 0.3634, 0.3703



93.6737, 0.3434, 0.3798



93.6737, 0.3157, 0.3747

# Triad

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



93.6737, 0.3434, 0.3798



93.6737, 0.2590, 0.3033



93.6737, 0.3366, 0.3045

# Complementary

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



93.6737, 0.3434, 0.3798



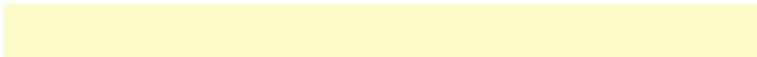
60.5729, 0.2786, 0.2726

# 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.



93.6737, 0.3076, 0.2883



93.6737, 0.3434, 0.3798



93.6737, 0.2638, 0.2867

# Square

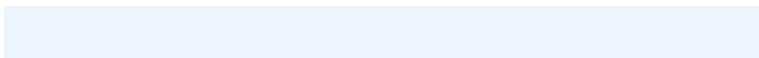
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.6737, 0.3434, 0.3798



93.6737, 0.2676, 0.3285



93.6737, 0.2812, 0.2817



93.6737, 0.3597, 0.3268

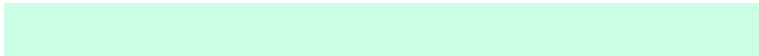


# Rectangle

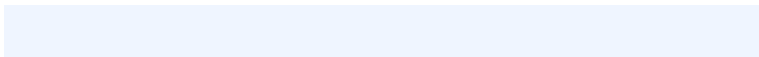
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.6737, 0.3434, 0.3798



93.6737, 0.2968, 0.3631



93.6737, 0.2812, 0.2817



93.6737, 0.3272, 0.2982

# Sweetspot

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



93.6779, 0.3434, 0.3798



99.0500, 0.3216, 0.3437



66.0002, 0.3534, 0.3291



21.1796, 0.3226, 0.3453



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

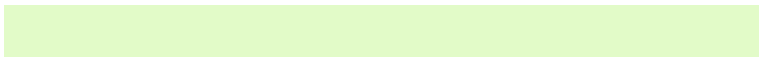
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.6779, 0.3434, 0.3798



96.6523, 0.3491, 0.3892



89.2674, 0.3264, 0.3827



20.1897, 0.3269, 0.3524



47.0181, 0.4191, 0.5054



4.3550, 0.4191, 0.5054



# Inverse Universe

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



60.5729, 0.2786, 0.2726



57.1671, 0.2715, 0.2608



64.3737, 0.2965, 0.2754



16.6440, 0.2979, 0.3045



3.6626, 0.1501, 0.0600

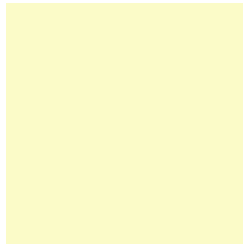


0.3396, 0.1501, 0.0601



# Previews

## White Background



This preview shows how the Yxy color 93.6737, 0.3434, 0.3798 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

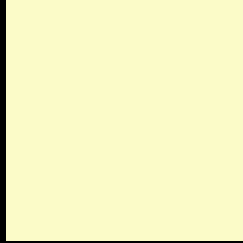
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.6737, 0.3434, 0.3798 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

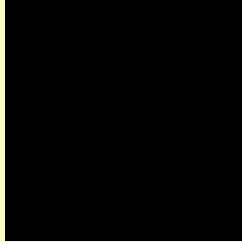
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.6737, 0.3434, 0.3798**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.6737, 0.3434, 0.3798.

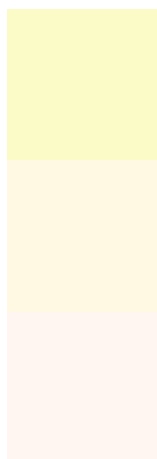


This preview shows how white text looks on a background with the Yxy color 93.6737, 0.3434, 0.3798.

# 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

93.6737, 0.3434, 0.3798

### Protanopia

93.8858, 0.3306, 0.3505

### Deuteranopia

93.5224, 0.3216, 0.3339



## Tritanopia

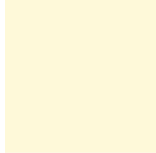
93.5956, 0.3125, 0.3194

# Trichromacy



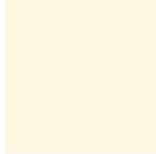
## Original Color

93.6737, 0.3434, 0.3798



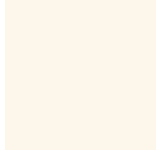
## Protanomaly

93.8319, 0.3353, 0.3605



## Deuteranomaly

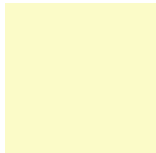
93.6966, 0.3299, 0.3506



## Tritanomaly

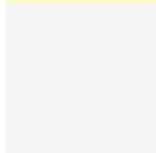
93.4023, 0.3238, 0.3407

# Monochromacy



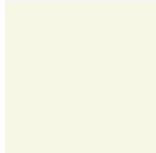
## Original Color

93.6737, 0.3434, 0.3798



## Achromatopsia

91.3099, 0.3127, 0.3290



## Achromatomaly

91.9528, 0.3235, 0.3469

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.6737, 0.3434, 0.3798 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(251, 251, 200)` looks like.

```
.text, #text, p{  
    color:rgb(251, 251, 200)  
}
```

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(251, 251, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 251, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 93.6737, 0.3434, 0.3798 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(251, 251, 200) }
```

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

```
.border{ border-color:rgb(251, 251, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 251, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 251, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 251, 200);  
box-shadow:4px 4px 4px 4px rgb(251, 251,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.6737, 0.3434, 0.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 251, 200) }
```

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

```
.background{ background-color: rgb(251,  
251, 200) }
```

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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