

# Converting Colors

$Y_{xy}(100.0000, 0.3730, 0.3871)$

Have a look what the booklet for  
Yxy(100.0000, 0.3730, 0.3871)  
contains.

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# **Color**

**Yxy(93.8852, 0.3535, 0.3913)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBBC
RGB	255, 251, 188
RGB Percent	100%, 98%, 74%
CMY	0.0000, 0.0157, 0.2627
CMYK	0.00, 0.02, 0.26, 0.00
HSL	56°, 100%, 87%
HSV	56°, 26%, 100%
XYZ	84.8158, 93.8852, 61.2305
YIQ	245.0140, 22.6070, -18.7450

# Conversions

## Conversions Part 2

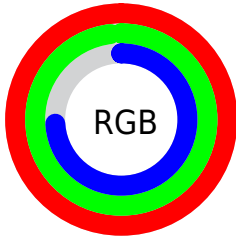
Format	Color
<a href="#">RYB</a>	<a href="#">192, 255, 188</a>
Decimal	<a href="#">16776124</a>
CIELab	<a href="#">97.59, -8.22, 30.76</a>
CIELCh	<a href="#">98, 31.835, 104.963</a>
Yxy	<a href="#">93.8852, 0.3535, 0.3913</a>
Android (android.graphics.Color)	<a href="#">4294966204</a> ( <a href="#">0xFFFFFBBBC</a> )
YUV	<a href="#">245.0140, -28.1079, 8.7577</a>
Hunter-Lab	<a href="#">96.8944, -13.3165, 30.3589</a>

# Details

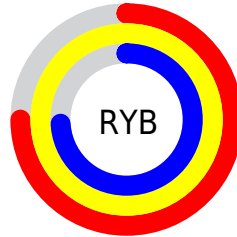
The Yxy color **93.8852, 0.3535, 0.3913** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.6120, 0.2674, 0.2580**, and the grayscale version is **91.5415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **52.7572, 0.3620, 0.4055** is the 20% darker color. If you saturate the color by 10%, you get **91.9378, 0.3692, 0.4148**, and if you desaturate by 10%, it is **96.0412, 0.3376, 0.3673**.

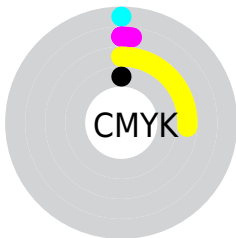
# Distribution



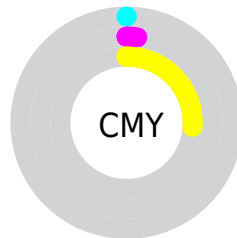
- Red (100%)
- Green (98%)
- Blue (74%)



- Red (75%)
- Yellow (100%)
- Blue (74%)



- Cyan (0%)
- Magenta (2%)
- Yellow (26%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.8852, 0.3535, 0.3913 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 93.8852, 0.3535, 0.3913 by changing the saturation by 10% instead.





 93.8852, 0.3535,  
0.3913

 93.8852, 0.3535,  
0.3913


540.5899, 0.3359,  
0.3635

 71.2075, 0.3572,  
0.3974


 152.7236, 0.3476,  
0.3819

 52.5115, 0.3616,  
0.4047


189.6530, 0.3453,  
0.3782

 37.4130, 0.3670,  
0.4138

232.1018, 0.3432,  
0.3749

 25.5274, 0.3735,  
0.4252

280.4543, 0.3414,  
0.3721

 16.4704, 0.3817,  
0.4399

335.0950, 0.3398,  
0.3696

 9.8576, 0.3918,  
0.4596


396.4082, 0.3384,


 5.3047, 0.4043,

0.3673


0.4865

464.7784, 0.3371,  
0.3653

 2.4271, 0.4437,  
0.5563


 0.8398, 0.4157,  
0.5843


 93.8852, 0.3535,  
0.3913


 93.8852, 0.3535,  
0.3913

 91.9378, 0.3692,  
0.4148


 96.0412, 0.3376,  
0.3673

 90.1787, 0.3843,  
0.4369

 98.4053, 0.3221,  
0.3435

 88.6002, 0.3980,  
0.4566

100.0000, 0.3127,  
0.3290

 87.1898, 0.4097,  
0.4729

■ 85.9334, 0.4190,  
0.4850

■ 84.8148, 0.4255,  
0.4926

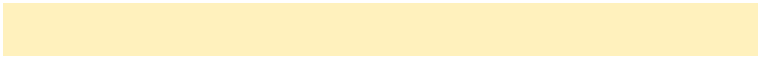
■ 83.8133, 0.4293,  
0.4959

■ 83.4586, 0.4303,  
0.4965

# Harmonies

## Analogous

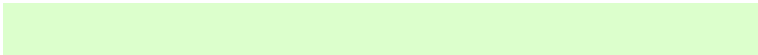
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8852, 0.3769, 0.3771



93.8852, 0.3535, 0.3913



93.8852, 0.3199, 0.3876

# Triad

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



93.8852, 0.3535, 0.3913



93.8852, 0.2475, 0.2999



93.8852, 0.3382, 0.2964

# Complementary

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



93.8852, 0.3535, 0.3913



55.6120, 0.2674, 0.2580

# 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.



93.8852, 0.3024, 0.2780



93.8852, 0.3535, 0.3913



93.8852, 0.2516, 0.2786

# Square

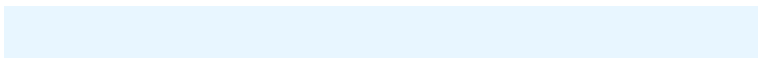
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



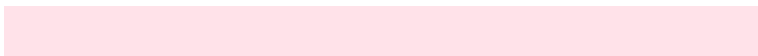
93.8852, 0.3535, 0.3913



93.8852, 0.2596, 0.3318



93.8852, 0.2711, 0.2713



93.8852, 0.3683, 0.3227

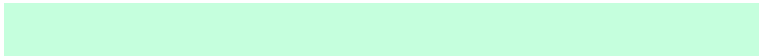


# Rectangle

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



93.8852, 0.3535, 0.3913



93.8852, 0.2965, 0.3743



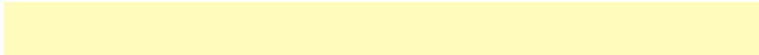
93.8852, 0.2711, 0.2713



93.8852, 0.3264, 0.2892

# Sweetspot

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



93.8885, 0.3535, 0.3913



97.9813, 0.3247, 0.3476



61.0558, 0.3656, 0.3245



20.8942, 0.3271, 0.3511



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

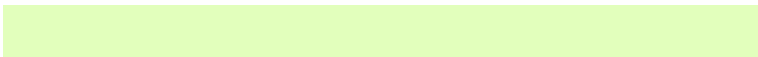
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.8885, 0.3535, 0.3913



92.7471, 0.3626, 0.4049



91.3149, 0.3332, 0.3993



20.8942, 0.3271, 0.3511



43.6888, 0.4302, 0.4967



4.3079, 0.4288, 0.4977



# Inverse Universe

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



55.6120, 0.2674, 0.2580



48.0967, 0.2559, 0.2397



57.9464, 0.2874, 0.2575



17.5515, 0.2978, 0.3059



4.0214, 0.1510, 0.0635

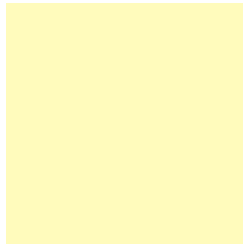


0.4499, 0.1533, 0.0719



# Previews

## White Background



This preview shows how the Yxy color 93.8852, 0.3535, 0.3913 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

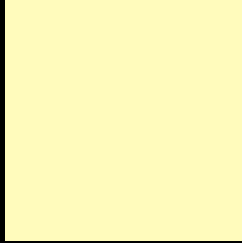
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.8852, 0.3535, 0.3913 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

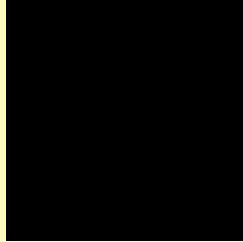
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.8852, 0.3535, 0.3913**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.8852, 0.3535, 0.3913.

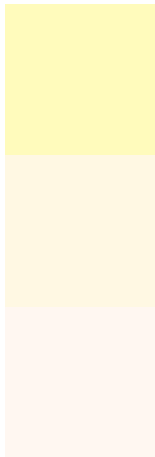


This preview shows how white text looks on a background with the Yxy color 93.8852, 0.3535, 0.3913.

# 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

93.8852, 0.3535, 0.3913

### Protanopia

93.9409, 0.3300, 0.3496

### Deuteranopia

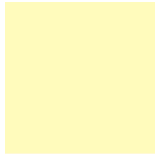
94.1324, 0.3215, 0.3348



## Tritanopia

93.6567, 0.3144, 0.3213

# Trichromacy



## Original Color

93.8852, 0.3535, 0.3913



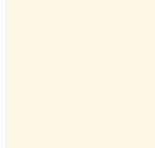
## Protanomaly

93.8155, 0.3385, 0.3645



## Deuteranomaly

93.6687, 0.3330, 0.3545



## Tritanomaly

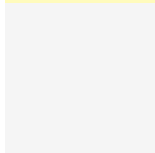
93.4387, 0.3288, 0.3466

# Monochromacy



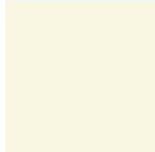
## Original Color

93.8852, 0.3535, 0.3913



## Achromatopsia

91.3099, 0.3127, 0.3290



## Achromatomaly

92.0431, 0.3279, 0.3519

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.8852, 0.3535, 0.3913 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 93.8852, 0.3535, 0.3913 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, 188) }
```

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

```
.border{ border-color:rgb(255, 251, 188) }
```

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, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.8852, 0.3535, 0.3913 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, 188) }
```

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

```
.background{ background-color: rgb(255,  
251, 188) }
```

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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