

# Converting Colors

$Y_{xy}(100.4342, 0.3731, 0.3883)$

Have a look what the booklet for  
Yxy(100.4342, 0.3731, 0.3883)  
contains.

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# **Color**

**Yxy(94.5116, 0.3533, 0.3922)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFCBC
RGB	255, 252, 188
RGB Percent	100%, 99%, 74%
CMY	0.0000, 0.0118, 0.2628
CMYK	0.00, 0.01, 0.26, 0.00
HSL	57°, 100%, 87%
HSV	57°, 26%, 100%
XYZ	85.1376, 94.5116, 61.3289
YIQ	245.6010, 22.3320, -19.2680

# Conversions

## Conversions Part 2

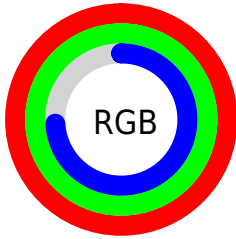
Format	Color
<a href="#">RYB</a>	191, 255, 188
Decimal	16776380
CIELab	97.84, -8.70, 31.10
CIELCh	98, 32.295, 105.624
Yxy	94.5116, 0.3533, 0.3922
Android (android.graphics.Color)	4294966460 (0xFFFFFCBC)
YUV	245.6010, -28.3973, 8.2429
Hunter-Lab	97.2171, -13.8091, 30.6491

# Details

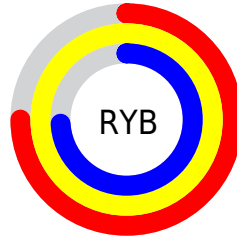
The Yxy color **94.5116, 0.3533, 0.3922** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.1730, 0.2673, 0.2568**, and the grayscale version is **92.0364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **53.2069, 0.3617, 0.4066** is the 20% darker color. If you saturate the color by 10%, you get **92.7880, 0.3688, 0.4160**, and if you desaturate by 10%, it is **96.4275, 0.3375, 0.3678**.

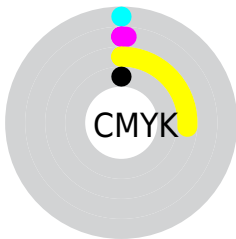
# Distribution



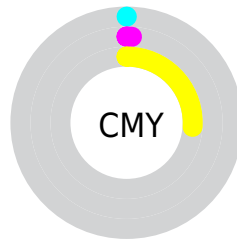
- Red (100%)
- Green (99%)
- Blue (74%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (26%)
- Black (0%)




- Cyan (0%)
- Magenta (1%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.5116, 0.3533, 0.3922 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 94.5116, 0.3533, 0.3922 by changing the saturation by 10% instead.




 94.5116, 0.3533,  
0.3922

 94.5116, 0.3533,  
0.3922

542.6002, 0.3358,  
0.3640

 71.7285, 0.3570,  
0.3983

 153.5897, 0.3475,  
0.3826

 52.9370, 0.3613,  
0.4058


190.6535, 0.3452,  
0.3789

 37.7524, 0.3666,  
0.4150


233.2464, 0.3431,  
0.3756

 25.7906, 0.3731,  
0.4265

281.7527, 0.3413,  
0.3727

 16.6671, 0.3810,  
0.4415

336.5568, 0.3397,  
0.3702

 9.9974, 0.3910,  
0.4613

398.0432, 0.3383,

 5.3972, 0.4031,

0.3679

0.4885

466.5962, 0.3370,  
0.3659

■ 2.4822, 0.4415,  
0.5585

■ 0.8677, 0.4138,  
0.5862

■ 94.5116, 0.3533,  
0.3922

■ 94.5116, 0.3533,  
0.3922

■ 92.7880, 0.3688,  
0.4160

■ 96.4275, 0.3375,  
0.3678

■ 91.2559, 0.3836,  
0.4384

■ 98.5547, 0.3221,  
0.3437

■ 89.9010, 0.3969,  
0.4582

100.0000, 0.3127,  
0.3290

■ 88.7110, 0.4082,  
0.4746

■ 87.6718, 0.4171,  
0.4868

■ 86.7670, 0.4232,  
0.4946

■ 85.9761, 0.4266,  
0.4981

■ 85.6993, 0.4275,  
0.4987

# Harmonies

## Analogous

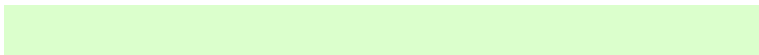
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.5116, 0.3773, 0.3781



94.5116, 0.3533, 0.3922



94.5116, 0.3192, 0.3880

# Triad

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



94.5116, 0.3533, 0.3922



94.5116, 0.2467, 0.2989



94.5116, 0.3393, 0.2966

# Complementary

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



94.5116, 0.3533, 0.3922



55.1730, 0.2673, 0.2568

# 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.



94.5116, 0.3030, 0.2777



94.5116, 0.3533, 0.3922



94.5116, 0.2512, 0.2777

# Square

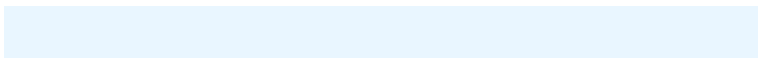
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.5116, 0.3533, 0.3922



94.5116, 0.2585, 0.3310



94.5116, 0.2712, 0.2707



94.5116, 0.3695, 0.3233

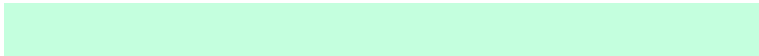


# Rectangle

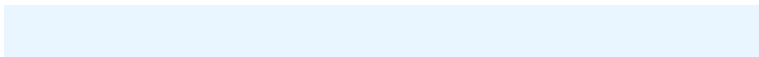
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.5116, 0.3533, 0.3922



94.5116, 0.2956, 0.3744



94.5116, 0.2712, 0.2707



94.5116, 0.3273, 0.2892

# Sweetspot

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



94.5084, 0.3533, 0.3922



98.1727, 0.3247, 0.3478



61.0017, 0.3666, 0.3257



20.9428, 0.3270, 0.3514



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

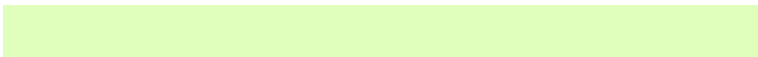
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.5084, 0.3533, 0.3922



93.4999, 0.3622, 0.4060



91.1339, 0.3324, 0.3995



20.9428, 0.3270, 0.3514



44.8411, 0.4274, 0.4989



4.4075, 0.4264, 0.4997



# Inverse Universe

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



55.1730, 0.2673, 0.2568



47.6177, 0.2557, 0.2383



58.1131, 0.2882, 0.2577



17.5083, 0.2978, 0.3055



3.9588, 0.1508, 0.0627

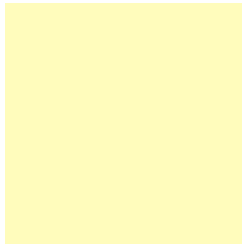


0.4294, 0.1525, 0.0690



# Previews

## White Background



This preview shows how the Yxy color 94.5116, 0.3533, 0.3922 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

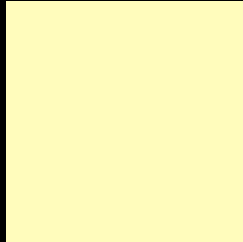
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.5116, 0.3533, 0.3922 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

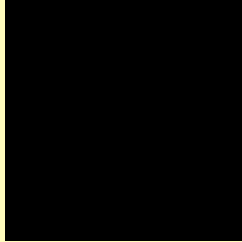
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.5116, 0.3533, 0.3922**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.5116, 0.3533, 0.3922.

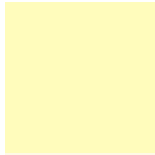


This preview shows how white text looks on a background with the Yxy color 94.5116, 0.3533, 0.3922.

# Color Blindness Simulation

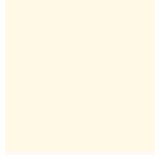
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



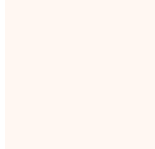
### Original Color

94.5116, 0.3533, 0.3922



### Protanopia

94.7245, 0.3280, 0.3475



### Deuteranopia

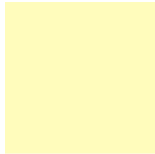
94.1923, 0.3209, 0.3339



## Tritanopia

94.3273, 0.3137, 0.3214

# Trichromacy



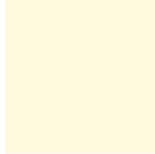
## Original Color

94.5116, 0.3533, 0.3922



## Protanomaly

94.5375, 0.3371, 0.3634



## Deuteranomaly

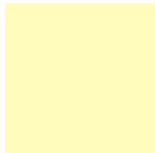
94.2853, 0.3329, 0.3555



## Tritanomaly

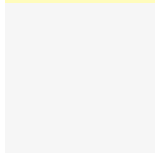
94.1080, 0.3281, 0.3466

# Monochromacy



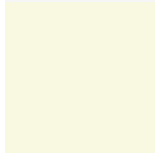
## Original Color

94.5116, 0.3533, 0.3922



## Achromatopsia

92.1582, 0.3127, 0.3290



## Achromatomaly

92.7108, 0.3272, 0.3518

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.5116, 0.3533, 0.3922 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, 252, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 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, 252, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 94.5116, 0.3533, 0.3922 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, 252, 188) }
```

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

```
.border{ border-color:rgb(255, 252, 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, 252, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.5116, 0.3533, 0.3922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 188) }
```

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

```
.background{ background-color: rgb(255,  
252, 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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