

# Converting Colors

$Y_{xy}(94.8619, 0.3406, 0.3703)$

Have a look what the booklet for  
Yxy(94.8619, 0.3406, 0.3703)  
contains.

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# **Color**

**Yxy(94.8578, 0.3406, 0.3703)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBD1
RGB	255, 251, 209
RGB Percent	100%, 98%, 82%
CMY	0.0000, 0.0157, 0.1802
CMYK	0.00, 0.02, 0.18, 0.00
HSL	55°, 100%, 91%
HSV	55°, 18%, 100%
XYZ	87.2497, 94.8578, 74.0572
YIQ	247.4080, 15.8660, -12.2140

# Conversions

## Conversions Part 2

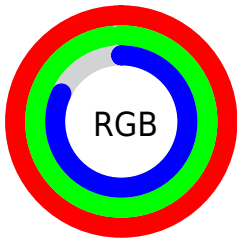
Format	Color
RYP	213, 255, 209
Decimal	16776145
CIELab	97.98, -5.34, 20.62
CIElCh	98, 21.306, 104.524
Yxy	94.8578, 0.3406, 0.3703
Android (android.graphics.Color)	4294966225 (0xFFFFFBD1)
YUV	247.4080, -18.9351, 6.6582
Hunter-Lab	97.3950, -10.5349, 23.0935

# Details

The Yxy color **94.8578, 0.3406, 0.3703** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.3883, 0.2831, 0.2840**, and the grayscale version is **93.5133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.3691, 0.3466, 0.3804** is the 20% darker color. If you saturate the color by 10%, you get **92.3203, 0.3568, 0.3937**, and if you desaturate by 10%, it is **97.6216, 0.3248, 0.3471**.

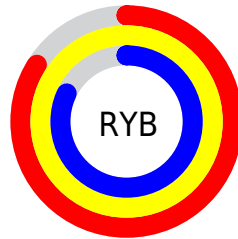
# Distribution



Red (100%)

Green (98%)

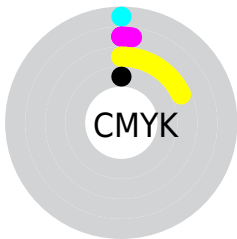
Blue (82%)



Red (84%)

Yellow (100%)

Blue (82%)

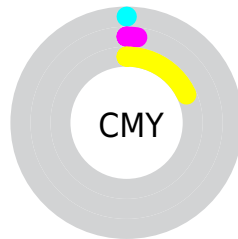


Cyan (0%)

Magenta (2%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.8578, 0.3406, 0.3703 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 94.8578, 0.3406, 0.3703 by changing the saturation by 10% instead.



 94.8578, 0.3406,  
0.3703

 94.8578, 0.3406,  
0.3703

543.7096, 0.3284,  
0.3519

 72.0166, 0.3432,  
0.3743

154.0681, 0.3365,  
0.3641

 53.1723, 0.3464,  
0.3792

191.2061, 0.3349,  
0.3616

 37.9403, 0.3502,  
0.3853


233.8784, 0.3335,  
0.3595

 25.9364, 0.3550,  
0.3929

282.4695, 0.3322,  
0.3576

 16.7760, 0.3612,  
0.4030

337.3638, 0.3311,  
0.3559

 10.0749, 0.3694,  
0.4167

398.9457, 0.3301,

 5.4487, 0.3805,

0.3544

0.4362

467.5995, 0.3292,  
0.3531

■ 2.5128, 0.3975,  
0.4676

■ 0.8831, 0.4453,  
0.5547

■ 94.8578, 0.3406,  
0.3703

■ 94.8578, 0.3406,  
0.3703

■ 92.3203, 0.3568,  
0.3937

■ 97.6216, 0.3248,  
0.3471

■ 89.9876, 0.3729,  
0.4166

100.0000, 0.3127,  
0.3290

■ 87.8532, 0.3883,  
0.4379

■ 85.9058, 0.4024,  
0.4567

■ 84.1325, 0.4145,  
0.4720

■ 82.5191, 0.4241,  
0.4831

■ 81.0485, 0.4309,  
0.4896

■ 79.6977, 0.4351,  
0.4920

■ 79.4384, 0.4358,  
0.4922

# Harmonies

## Analogous

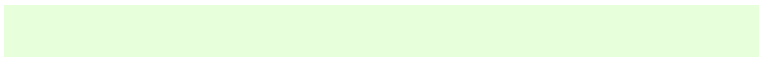
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.8578, 0.3557, 0.3616



94.8578, 0.3406, 0.3703



94.8578, 0.3183, 0.3674

# Triad

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



94.8578, 0.3406, 0.3703



94.8578, 0.2685, 0.3104



94.8578, 0.3296, 0.3067

# Complementary

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



94.8578, 0.3406, 0.3703



68.3883, 0.2831, 0.2840

# 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.



94.8578, 0.3057, 0.2940



94.8578, 0.3406, 0.3703



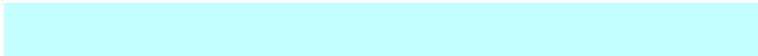
94.8578, 0.2712, 0.2954

# Square

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



94.8578, 0.3406, 0.3703



94.8578, 0.2771, 0.3316



94.8578, 0.2845, 0.2898



94.8578, 0.3494, 0.3249

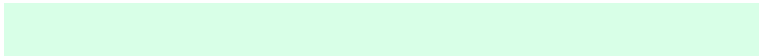


# Rectangle

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



94.8578, 0.3406, 0.3703



94.8578, 0.3026, 0.3589



94.8578, 0.2845, 0.2898



94.8578, 0.3217, 0.3017

# Sweetspot

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



94.8618, 0.3406, 0.3703



98.5004, 0.3202, 0.3402



71.7172, 0.3444, 0.3244



21.0390, 0.3213, 0.3418



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.



94.8618, 0.3406, 0.3703



93.8255, 0.3470, 0.3796



94.0640, 0.3279, 0.3758



20.8045, 0.3271, 0.3505



41.6203, 0.4355, 0.4924



4.1286, 0.4334, 0.4941



# Inverse Universe

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



68.3883, 0.2831, 0.2840



62.4290, 0.2758, 0.2728



69.2406, 0.2954, 0.2814



17.6315, 0.2979, 0.3066



4.1622, 0.1515, 0.0655

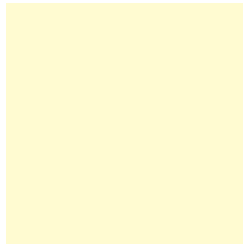


0.4877, 0.1548, 0.0771



# Previews

## White Background



This preview shows how the Yxy color 94.8578, 0.3406, 0.3703 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

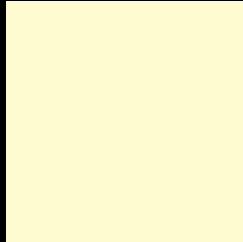
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.8578, 0.3406, 0.3703 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

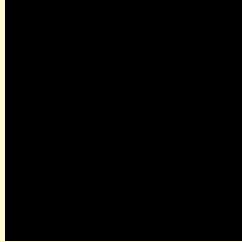
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.8578, 0.3406, 0.3703**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.8578, 0.3406, 0.3703.

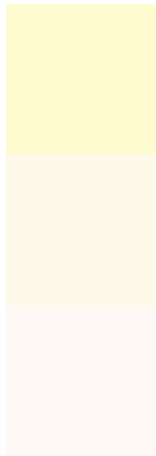


This preview shows how white text looks on a background with the Yxy color 94.8578, 0.3406, 0.3703.

# 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

94.8578, 0.3406, 0.3703

### Protanopia

94.8946, 0.3262, 0.3446

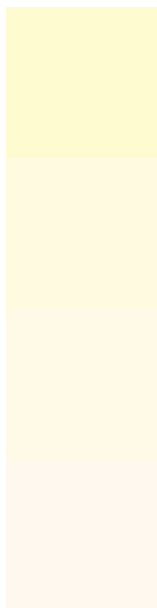
### Deuteranopia

94.9265, 0.3196, 0.3329

## Tritanopia

95.0015, 0.3131, 0.3214

# Trichromacy



## Original Color

94.8578, 0.3406, 0.3703

## Protanomaly

95.0130, 0.3316, 0.3544

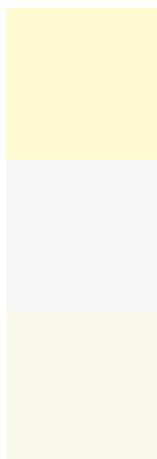
## Deuteranomaly

94.7809, 0.3274, 0.3466

## Tritanomaly

94.5678, 0.3232, 0.3387

# Monochromacy



## Original Color

94.8578, 0.3406, 0.3703

## Achromatopsia

93.0111, 0.3127, 0.3290

## Achromatomaly

93.3420, 0.3230, 0.3438

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.8578, 0.3406, 0.3703 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 94.8578, 0.3406, 0.3703 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, 209) }
```

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

```
.border{ border-color:rgb(255, 251, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.8578, 0.3406, 0.3703 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
251, 209) }
```

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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