

# Converting Colors

$Y_{xy}(93.0202, 0.3370, 0.3692)$

Have a look what the booklet for  
Yxy(93.0202, 0.3370, 0.3692)  
contains.

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# Color

**Yxy(93.2987, 0.3374, 0.3698)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAFAD1
RGB	250, 250, 209
RGB Percent	98%, 98%, 82%
CMY	0.0196, 0.0196, 0.1802
CMYK	0.00, 0.00, 0.16, 0.02
HSL	60°, 80%, 90%
HSV	60°, 16%, 98%
XYZ	85.1243, 93.2987, 73.8720
YIQ	245.3260, 13.1610, -12.7510

# Conversions

## Conversions Part 2

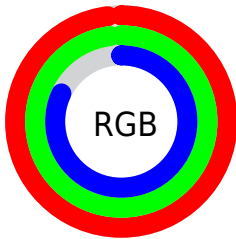
Format	Color
R <sub>Y</sub> B	209, 250, 209
Decimal	16448209
CIE Lab	97.35, -6.61, 19.69
CIE LCh	97, 20.771, 108.570
Yxy	93.2987, 0.3374, 0.3698
Android (android.graphics.Color)	4294638289 (0xFFFAFAD1)
YUV	245.3260, -17.9087, 4.0991
Hunter-Lab	96.5913, -11.7255, 22.2695

# Details

The Yxy color **93.2987, 0.3374, 0.3698** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.0903, 0.2859, 0.2847**, and the grayscale version is **91.7314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.2541, 0.3426, 0.3799** is the 20% darker color. If you saturate the color by 10%, you get **92.1579, 0.3527, 0.3951**, and if you desaturate by 10%, it is **94.6421, 0.3222, 0.3447**.

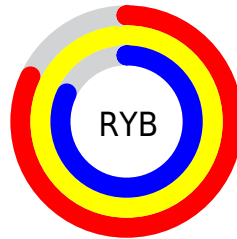
# Distribution



Red (98%)

Green (98%)

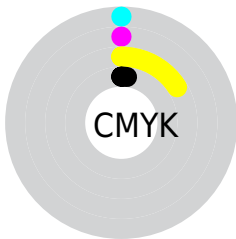
Blue (82%)



Red (82%)

Yellow (98%)

Blue (82%)

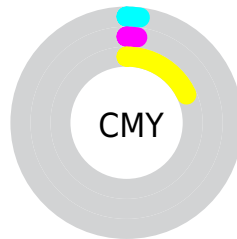


Cyan (0%)

Magenta (0%)

Yellow (16%)

Black (2%)



Cyan (2%)

Magenta (2%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.2987, 0.3374, 0.3698 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 93.2987, 0.3374, 0.3698 by changing the saturation by 10% instead.




 93.2987, 0.3374,  
0.3698

 93.2987, 0.3374,  
0.3698

538.7040, 0.3266,  
0.3515

 70.7198, 0.3397,  
0.3738


151.9121, 0.3338,  
0.3636

 52.1136, 0.3425,  
0.3787

188.7154, 0.3323,  
0.3611

 37.0956, 0.3459,  
0.3848

231.0289, 0.3311,  
0.3590

 25.2815, 0.3502,  
0.3926

279.2370, 0.3300,  
0.3571

 16.2869, 0.3557,  
0.4028

333.7242, 0.3290,  
0.3555

 9.7274, 0.3629,  
0.4168

394.8749, 0.3281,

 5.2186, 0.3728,

0.3540

0.4370

463.0733, 0.3273,  
0.3527

■ 2.3761, 0.3882,  
0.4704

■ 0.8135, 0.4292,  
0.5708

■ 93.2987, 0.3374,  
0.3698

■ 93.2987, 0.3374,  
0.3698

■ 92.1579, 0.3527,  
0.3951

■ 94.6421, 0.3222,  
0.3447

■ 91.1982, 0.3676,  
0.4197

■ 95.9208, 0.3098,  
0.3242

■ 90.4141, 0.3815,  
0.4427

■ 95.9226, 0.3098,  
0.3242

■ 89.7948, 0.3938,  
0.4630

■ 95.9244, 0.3098,  
0.3242


 89.3287, 0.4039,  
0.4797


 95.9263, 0.3098,  
0.3242


 89.0023, 0.4115,  
0.4923

 95.9281, 0.3098,  
0.3242


 88.8000, 0.4164,  
0.5004

 95.9299, 0.3098,  
0.3242

 88.7023, 0.4188,  
0.5044

 95.9317, 0.3098,  
0.3242

 88.6818, 0.4193,  
0.5052

 95.9336, 0.3098,  
0.3242

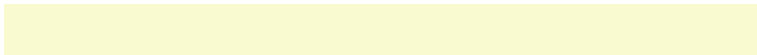
# Harmonies

## Analogous

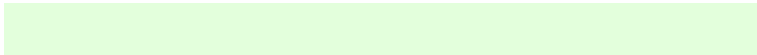
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.2987, 0.3535, 0.3627



93.2987, 0.3374, 0.3698



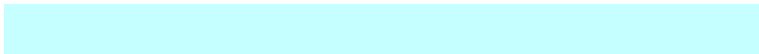
93.2987, 0.3151, 0.3653

# Triad

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



93.2987, 0.3374, 0.3698



93.2987, 0.2690, 0.3084



93.2987, 0.3323, 0.3093

# Complementary

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



93.2987, 0.3374, 0.3698



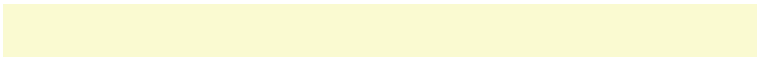
66.0903, 0.2859, 0.2847

# Split Complementary

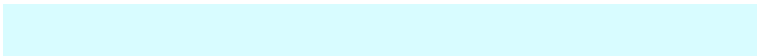
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.2987, 0.3090, 0.2959



93.2987, 0.3374, 0.3698



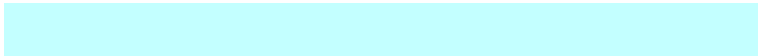
93.2987, 0.2732, 0.2948

# Square

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



93.2987, 0.3374, 0.3698



93.2987, 0.2761, 0.3286



93.2987, 0.2875, 0.2905

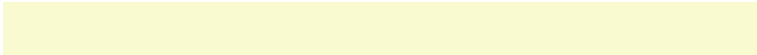


93.2987, 0.3506, 0.3276

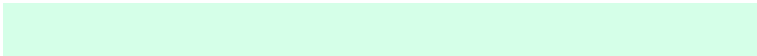


# Rectangle

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



93.2987, 0.3374, 0.3698



93.2987, 0.2998, 0.3560



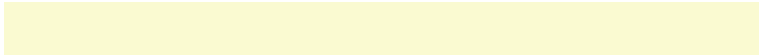
93.2987, 0.2875, 0.2905



93.2987, 0.3247, 0.3041

# Sweetspot

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



93.3028, 0.3374, 0.3698



99.2049, 0.3201, 0.3412



70.5882, 0.3435, 0.3284



21.2109, 0.3212, 0.3430



0.0000, 0.0000, 0.0000

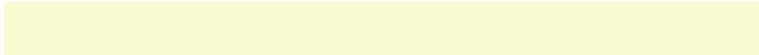


21.4041, 0.3127, 0.3290

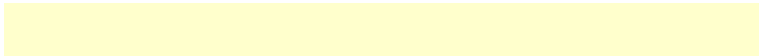


# Same Dimension

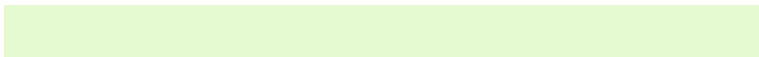
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.3028, 0.3374, 0.3698



97.1358, 0.3430, 0.3790



89.8382, 0.3242, 0.3715



20.1904, 0.3269, 0.3524



47.0372, 0.4193, 0.5052



4.3566, 0.4193, 0.5052



# Inverse Universe

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



66.0903, 0.2859, 0.2847



63.2460, 0.2792, 0.2735



69.1582, 0.2995, 0.2864



16.6434, 0.2979, 0.3045



3.6616, 0.1500, 0.0600

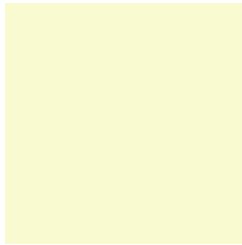


0.3392, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 93.2987, 0.3374, 0.3698 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

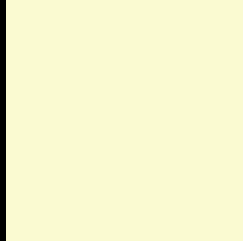
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.2987, 0.3374, 0.3698 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

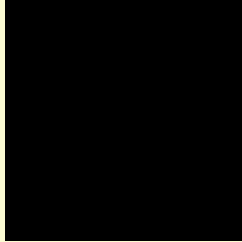
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.2987, 0.3374, 0.3698**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.2987, 0.3374, 0.3698.

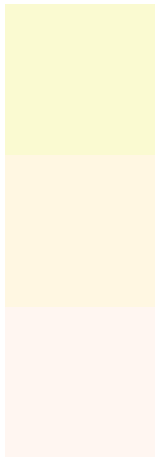


This preview shows how white text looks on a background with the Yxy color 93.2987, 0.3374, 0.3698.

# 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

93.2987, 0.3374, 0.3698

### Protanopia

93.2725, 0.3307, 0.3496

### Deuteranopia

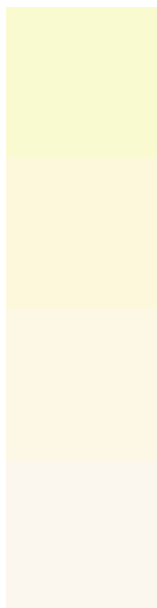
93.5224, 0.3216, 0.3339



## Tritanopia

93.4075, 0.3119, 0.3194

# Trichromacy



## Original Color

93.2987, 0.3374, 0.3698

## Protanomaly

93.1848, 0.3329, 0.3566

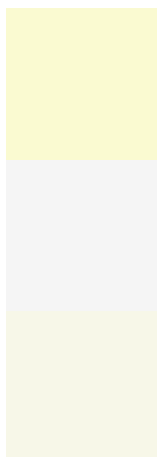
## Deuteranomaly

93.0613, 0.3275, 0.3467

## Tritanomaly

93.3900, 0.3213, 0.3378

# Monochromacy



## Original Color

93.2987, 0.3374, 0.3698

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

92.1219, 0.3217, 0.3439

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.2987, 0.3374, 0.3698 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(250, 250, 209)` looks like.

```
.text, #text, p{  
    color:rgb(250, 250, 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(250, 250, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 250, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 93.2987, 0.3374, 0.3698 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(250, 250, 209) }
```

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

```
.border{ border-color:rgb(250, 250, 209) }
```

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

Here you see how a box with a 4 pixel rgb(250, 250, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 250, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 250, 209);  
box-shadow:4px 4px 4px 4px rgb(250, 250,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.2987, 0.3374, 0.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 250, 209) }
```

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

```
.background{ background-color: rgb(250,  
250, 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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