

# Converting Colors

$Y_{xy}(100.0000, 0.3270, 0.3310)$

Have a look what the booklet for  
Yxy(100.0000, 0.3270, 0.3310)  
contains.

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# **Color**

**Yxy(97.0939, 0.3164, 0.3309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBF9
RGB	255, 251, 249
RGB Percent	100%, 98%, 98%
CMY	0.0000, 0.0157, 0.0234
CMYK	0.00, 0.02, 0.02, 0.00
HSL	20°, 100%, 99%
HSV	20°, 2%, 100%
XYZ	92.8393, 97.0939, 103.4905
YIQ	251.9680, 3.0260, 0.2260

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 252, 249
Decimal	16776185
CIE Lab	98.87, 0.99, 1.40
CIE LCh	99, 1.715, 54.772
Yxy	97.0939, 0.3164, 0.3309
Android (android.graphics.Color)	4294966265 (0xFFFFFBF9)
YUV	251.9680, -1.4632, 2.6591
Hunter-Lab	98.5362, -4.2586, 6.7043

# Details

The Yxy color 97.0939, 0.3164, 0.3309 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.6297, 0.3091, 0.3271, and the grayscale version is 97.3313, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.8862, 0.3166, 0.3314 is the 20% darker color. If you saturate the color by 10%, you get 85.4293, 0.3339, 0.3394, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



Red (100%)

Green (98%)

Blue (98%)



Red (100%)

Yellow (99%)

Blue (98%)



Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.0939, 0.3164, 0.3309 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 97.0939, 0.3164, 0.3309 by changing the saturation by 10% instead.



 97.0939, 0.3164,  
0.3309

 97.0939, 0.3164,  
0.3309


550.8469, 0.3148,  
0.3301

 73.8790, 0.3168,  
0.3311

157.1543, 0.3159,  
0.3306

 54.6950, 0.3172,  
0.3313


194.7685, 0.3156,  
0.3305

 39.1576, 0.3177,  
0.3316


237.9512, 0.3154,  
0.3304

 26.8823, 0.3184,  
0.3319

287.0869, 0.3153,  
0.3303

 17.4849, 0.3192,  
0.3323

342.5599, 0.3151,  
0.3303

 10.5808, 0.3204,  
0.3329

404.7546, 0.3150,

 5.7857, 0.3222,

0.3302

0.3338

474.0555, 0.3149,  
0.3301

■ 2.7152, 0.3249,  
0.3351

■ 0.9849, 0.3298,  
0.3375

■ 97.0939, 0.3164,  
0.3309

■ 97.0939, 0.3164,  
0.3309

■ 85.4293, 0.3339,  
0.3394

100.0000, 0.3127,  
0.3290

■ 74.9036, 0.3545,  
0.3484

■ 65.4850, 0.3787,  
0.3576

■ 57.1362, 0.4068,  
0.3667

■ 49.8174, 0.4386,  
0.3748

■ 43.4864, 0.4735,  
0.3810

■ 38.0978, 0.5095,  
0.3840

■ 33.6019, 0.5440,  
0.3825

■ 29.9434, 0.5736,  
0.3760

# Harmonies

## Analogous

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



97.0939, 0.3160, 0.3293



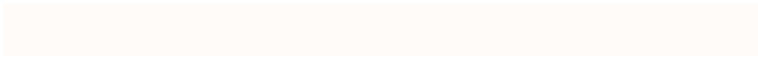
97.0939, 0.3164, 0.3309



97.0939, 0.3158, 0.3320

# Triad

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



97.0939, 0.3164, 0.3309



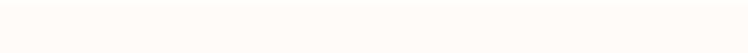
97.0939, 0.3108, 0.3304



97.0939, 0.3110, 0.3258

# Complementary

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



97.0939, 0.3164, 0.3309



97.6297, 0.3091, 0.3271

# 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.



97.0939, 0.3096, 0.3261



97.0939, 0.3164, 0.3309



97.0939, 0.3095, 0.3287

# Square

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



97.0939, 0.3164, 0.3309



97.0939, 0.3126, 0.3317



97.0939, 0.3091, 0.3271

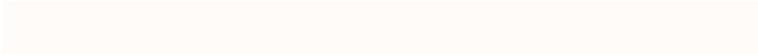


97.0939, 0.3129, 0.3264

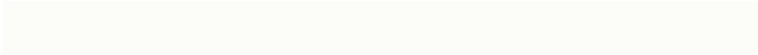


# Rectangle

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



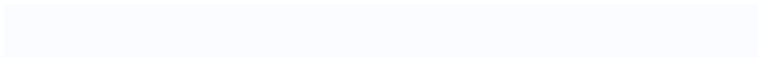
97.0939, 0.3164, 0.3309



97.0939, 0.3150, 0.3323



97.0939, 0.3091, 0.3271



97.0939, 0.3105, 0.3258

# Sweetspot

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



97.0977, 0.3164, 0.3309



98.7531, 0.3143, 0.3298



96.1265, 0.3141, 0.3251



21.1504, 0.3142, 0.3298



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

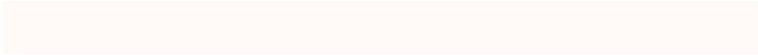


# Same Dimension

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



97.0977, 0.3164, 0.3309



96.2948, 0.3175, 0.3314



98.9244, 0.3162, 0.3337



20.4029, 0.3188, 0.3321



14.6968, 0.5888, 0.3707



1.6216, 0.5668, 0.3881



# Inverse Universe

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



97.6297, 0.3091, 0.3271



96.9731, 0.3081, 0.3265



95.8114, 0.3092, 0.3243



20.5859, 0.3068, 0.3259



19.1988, 0.1935, 0.2167



2.0698, 0.1975, 0.2310



# Previews

## White Background



This preview shows how the Yxy color 97.0939, 0.3164, 0.3309 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

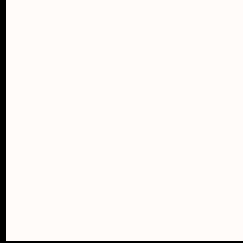
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.0939, 0.3164, 0.3309 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

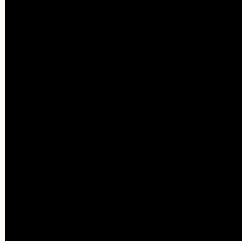
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.0939, 0.3164, 0.3309**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.0939, 0.3164, 0.3309.



This preview shows how white text looks on a background with the Yxy color 97.0939, 0.3164, 0.3309.

# 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

97.0939, 0.3164, 0.3309

### Protanopia

97.1565, 0.3158, 0.3300

### Deuteranopia

97.2826, 0.3146, 0.3281

## **Tritanopia**

97.0970, 0.3116, 0.3252

# Trichromacy

## Original Color

97.0939, 0.3164, 0.3309

## Protanomaly

97.1565, 0.3158, 0.3300

## Deuteranomaly

97.2194, 0.3152, 0.3290

## Tritanomaly

97.1570, 0.3134, 0.3271

# Monochromacy

## Original Color

97.0939, 0.3164, 0.3309

## Achromatopsia

97.3445, 0.3127, 0.3290

## Achromatomaly

97.4685, 0.3139, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.0939, 0.3164, 0.3309 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 97.0939, 0.3164, 0.3309 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, 249) }
```

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

```
.border{ border-color:rgb(255, 251, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.0939, 0.3164, 0.3309 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, 249) }
```

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

```
.background{ background-color: rgb(255,  
251, 249) }
```

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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