

# Converting Colors

$Y_{xy}(100.0000, 0.3273, 0.3406)$

Have a look what the booklet for  
Yxy(100.0000, 0.3273, 0.3406)  
contains.

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# Color

**Yxy(97.8614, 0.3210, 0.3406)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFDF1
RGB	255, 253, 241
RGB Percent	100%, 99%, 95%
CMY	0.0001, 0.0078, 0.0550
CMYK	0.00, 0.01, 0.05, 0.00
HSL	52°, 100%, 97%
HSV	52°, 5%, 100%
XYZ	92.2299, 97.8614, 97.2293
YIQ	252.2300, 5.0440, -3.3080

# Conversions

## Conversions Part 2

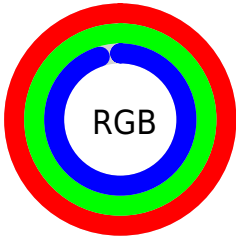
Format	Color
<a href="#">RYB</a>	<a href="#">243, 255, 241</a>
Decimal	<a href="#">16776689</a>
CIELab	<a href="#">99.17, -1.40, 5.97</a>
CIELCh	<a href="#">99, 6.132, 103.192</a>
Yxy	<a href="#">97.8614, 0.3210, 0.3406</a>
Android (android.graphics.Color)	<a href="#">4294966769</a> ( <a href="#">0xFFFFFDF1</a> )
YUV	<a href="#">252.2300, -5.5364, 2.4293</a>
Hunter-Lab	<a href="#">98.9249, -6.6991, 10.9737</a>

# Details

The Yxy color 97.8614, 0.3210, 0.3406 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.9714, 0.3043, 0.3171, and the grayscale version is 97.5893, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.9884, 0.3225, 0.3425 is the 20% darker color. If you saturate the color by 10%, you get 94.2274, 0.3368, 0.3624, and if you desaturate by 10%, it is 99.9935, 0.3127, 0.3290.

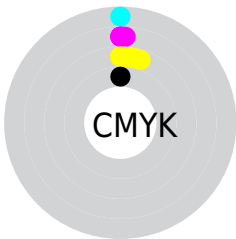
# Distribution



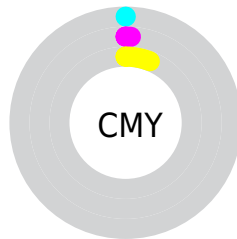
- Red (100%)
- Green (99%)
- Blue (95%)



- Red (95%)
- Yellow (100%)
- Blue (95%)



- Cyan (0%)
- Magenta (1%)
- Yellow (5%)
- Black (0%)




- Cyan (0%)
- Magenta (1%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.8614, 0.3210, 0.3406 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 97.8614, 0.3210, 0.3406 by changing the saturation by 10% instead.




 97.8614, 0.3210,  
0.3406

 97.8614, 0.3210,  
0.3406

553.2854, 0.3174,  
0.3355

 74.5188, 0.3218,  
0.3417


158.2119, 0.3198,  
0.3389

 55.2188, 0.3227,  
0.3431


195.9886, 0.3193,  
0.3382

 39.5769, 0.3239,  
0.3447


239.3454, 0.3189,  
0.3376

 27.2088, 0.3254,  
0.3468

288.6667, 0.3185,  
0.3371

 17.7301, 0.3273,  
0.3496

344.3370, 0.3182,  
0.3366

 10.7564, 0.3299,  
0.3533

406.7406, 0.3179,

 5.9033, 0.3337,

0.3362

0.3588

476.2620, 0.3176,  
0.3358

■ 2.7864, 0.3396,  
0.3673

■ 1.0212, 0.3533,  
0.3865

■ 97.8614, 0.3210,  
0.3406

■ 97.8614, 0.3210,  
0.3406

■ 94.2274, 0.3368,  
0.3624

99.9935, 0.3127,  
0.3290

■ 90.8350, 0.3534,  
0.3847

■ 87.6788, 0.3703,  
0.4067

■ 84.7486, 0.3870,  
0.4276

■ 82.0328, 0.4028,  
0.4464

■ 79.5192, 0.4171,  
0.4621

■ 77.1935, 0.4290,  
0.4737

■ 75.0394, 0.4382,  
0.4808

■ 73.0366, 0.4445,  
0.4834

# Harmonies

## Analogous

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



97.8614, 0.3250, 0.3383



97.8614, 0.3210, 0.3406



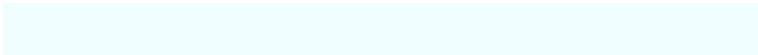
97.8614, 0.3148, 0.3397

# Triad

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



97.8614, 0.3210, 0.3406



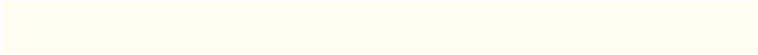
97.8614, 0.2999, 0.3242



97.8614, 0.3173, 0.3223

# Complementary

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



97.8614, 0.3210, 0.3406



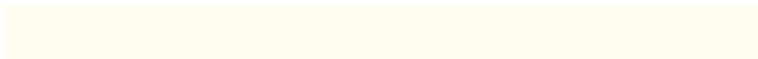
89.9714, 0.3043, 0.3171

# Split Complementary

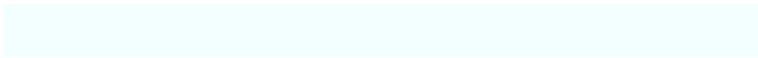
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.8614, 0.3106, 0.3186



97.8614, 0.3210, 0.3406



97.8614, 0.3006, 0.3196

# Square

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



97.8614, 0.3210, 0.3406



97.8614, 0.3026, 0.3302



97.8614, 0.3044, 0.3176

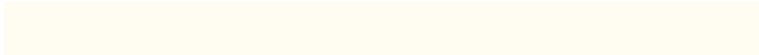


97.8614, 0.3229, 0.3277

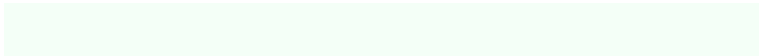


# Rectangle

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



97.8614, 0.3210, 0.3406



97.8614, 0.3103, 0.3375



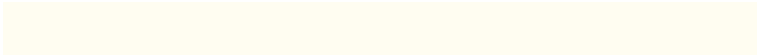
97.8614, 0.3044, 0.3176



97.8614, 0.3151, 0.3208

# Sweetspot

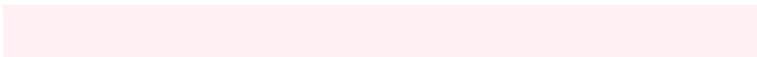
The Sweet Spot groups the original color and five complimentary colors.



97.8657, 0.3210, 0.3406



99.2238, 0.3157, 0.3332



90.6273, 0.3206, 0.3270



21.2462, 0.3156, 0.3330



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

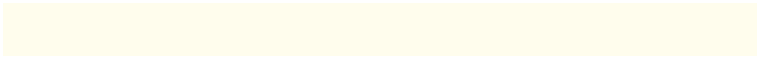


# Same Dimension

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



97.8657, 0.3210, 0.3406



97.3285, 0.3233, 0.3439



98.1846, 0.3178, 0.3426



20.7842, 0.3243, 0.3452



37.8875, 0.4462, 0.4839



3.8024, 0.4427, 0.4867



# Inverse Universe

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



89.9714, 0.3043, 0.3171



87.3553, 0.3019, 0.3137



89.6860, 0.3075, 0.3153



18.4751, 0.3010, 0.3123



4.5389, 0.1530, 0.0708

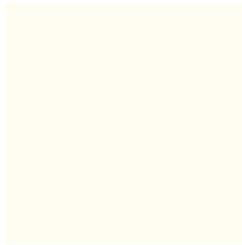


0.5599, 0.1575, 0.0869



# Previews

## White Background



This preview shows how the Yxy color 97.8614, 0.3210, 0.3406 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

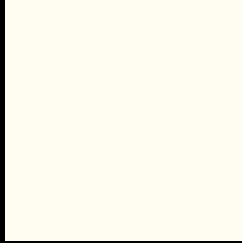
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.8614, 0.3210, 0.3406 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

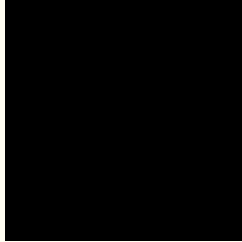
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.8614, 0.3210, 0.3406**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.8614, 0.3210, 0.3406.



This preview shows how white text looks on a background with the Yxy color 97.8614, 0.3210, 0.3406.

# 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

97.8614, 0.3210, 0.3406

### Protanopia

97.7204, 0.3164, 0.3319

### Deuteranopia

97.9091, 0.3146, 0.3290

## **Tritanopia**

97.9116, 0.3122, 0.3261

# Trichromacy

## Original Color

97.8614, 0.3210, 0.3406

## Protanomaly

97.5346, 0.3181, 0.3348

## Deuteranomaly

97.6581, 0.3169, 0.3328

## Tritanomaly

97.5938, 0.3151, 0.3309

# Monochromacy

## Original Color

97.8614, 0.3210, 0.3406

## Achromatopsia

97.3445, 0.3127, 0.3290

## Achromatomaly

97.2808, 0.3157, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.8614, 0.3210, 0.3406 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, 253, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 241)  
}
```

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, 253, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 97.8614, 0.3210, 0.3406 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, 253, 241) }
```

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

```
.border{ border-color:rgb(255, 253, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.8614, 0.3210, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 241) }
```

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

```
.background{ background-color: rgb(255,  
253, 241) }
```

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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