

# Converting Colors

$Y_{xy}(97.8301, 0.3123, 0.3375)$

Have a look what the booklet for  
Yxy(97.8301, 0.3123, 0.3375)  
contains.

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# Color

**Yxy(97.7667, 0.3123, 0.3378)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FFF6
RGB	246, 255, 246
RGB Percent	96%, 100%, 96%
CMY	0.0354, 0.0000, 0.0354
CMYK	0.04, 0.00, 0.04, 0.00
HSL	120°, 100%, 98%
HSV	120°, 4%, 100%
XYZ	90.3864, 97.7667, 101.2687
YIQ	251.2830, -2.4750, -4.7070

# Conversions

## Conversions Part 2

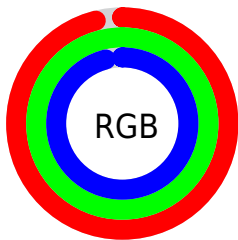
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 255, 255
Decimal	16187382
CIE Lab	99.13, -4.56, 3.28
CIE LCh	99, 5.614, 144.310
Yxy	97.7667, 0.3123, 0.3378
Android (android.graphics.Color)	4294377462 (0xFFFF6FFF6)
YUV	251.2830, -2.6045, -4.6332
Hunter-Lab	98.8770, -9.8627, 8.4898

# Details

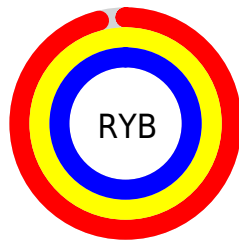
The Yxy color 97.7667, 0.3123, 0.3378 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.3687, 0.3131, 0.3204, and the grayscale version is 96.7269, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.0530, 0.3123, 0.3389 is the 20% darker color. If you saturate the color by 10%, you get 92.0009, 0.3110, 0.3650, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

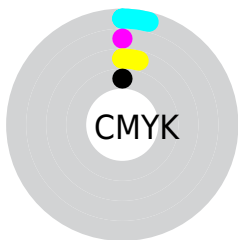
# Distribution



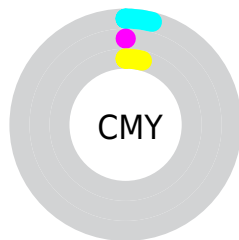
- Red (96%)
- Green (100%)
- Blue (96%)



- Red (96%)
- Yellow (100%)
- Blue (100%)



- Cyan (4%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.7667, 0.3123, 0.3378 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 97.7667, 0.3123, 0.3378 by changing the saturation by 10% instead.




 97.7667, 0.3123,  
0.3378

 97.7667, 0.3123,  
0.3378


552.9849, 0.3125,  
0.3339

 74.4398, 0.3123,  
0.3386


158.0814, 0.3124,  
0.3365

 55.1541, 0.3122,  
0.3397


195.8381, 0.3124,  
0.3360

 39.5251, 0.3121,  
0.3409

239.1735, 0.3124,  
0.3355

 27.1685, 0.3120,  
0.3426

288.4719, 0.3124,  
0.3351

 17.6998, 0.3119,  
0.3447

344.1179, 0.3125,  
0.3348

 10.7347, 0.3117,  
0.3476

406.4958, 0.3125,

 5.8887, 0.3114,

0.3345

0.3518

475.9900, 0.3125,  
0.3342

■ 2.7775, 0.3110,  
0.3586

■ 1.0167, 0.3103,  
0.3714

■ 97.7667, 0.3123,  
0.3378

■ 97.7667, 0.3123,  
0.3378

■ 92.0009, 0.3110,  
0.3650

100.0000, 0.3127,  
0.3290

■ 87.0572, 0.3096,  
0.3957

■ 82.8902, 0.3080,  
0.4295

■ 79.4604, 0.3063,  
0.4654

■ 76.7250, 0.3046,  
0.5015

■ 74.6365, 0.3030,  
0.5353

■ 73.1418, 0.3017,  
0.5638

■ 72.1792, 0.3007,  
0.5845

■ 71.6735, 0.3002,  
0.5963

# Harmonies

## Analogous

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



97.7667, 0.3184, 0.3397



97.7667, 0.3123, 0.3378



97.7667, 0.3064, 0.3335

# Triad

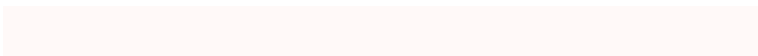
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.7667, 0.3123, 0.3378



97.7667, 0.3026, 0.3194



97.7667, 0.3233, 0.3299

# Complementary

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



97.7667, 0.3123, 0.3378



94.3687, 0.3131, 0.3204

# 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.



97.7667, 0.3190, 0.3246



97.7667, 0.3123, 0.3378



97.7667, 0.3070, 0.3186

# Square

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



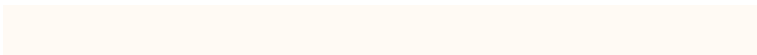
97.7667, 0.3123, 0.3378



97.7667, 0.3008, 0.3229



97.7667, 0.3131, 0.3205



97.7667, 0.3248, 0.3350



# Rectangle

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



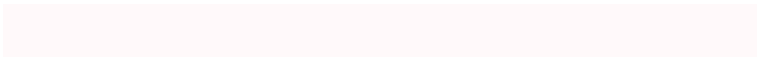
97.7667, 0.3123, 0.3378



97.7667, 0.3033, 0.3299



97.7667, 0.3131, 0.3205



97.7667, 0.3222, 0.3281

# Sweetspot

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



97.7580, 0.3123, 0.3378



99.3565, 0.3126, 0.3314



99.4316, 0.3179, 0.3377



21.2732, 0.3126, 0.3313



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.



97.7580, 0.3123, 0.3378



97.4772, 0.3122, 0.3389



98.0385, 0.3097, 0.3334



20.7658, 0.3122, 0.3409



37.3710, 0.3000, 0.6000



3.6387, 0.3000, 0.5999



# Inverse Universe

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



94.3687, 0.3131, 0.3204



93.6635, 0.3132, 0.3193



94.0814, 0.3158, 0.3247



19.8009, 0.3133, 0.3174



14.8766, 0.3211, 0.1542



1.4485, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 97.7667, 0.3123, 0.3378 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

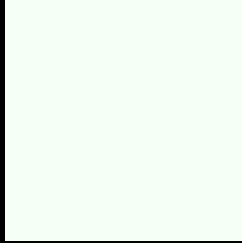
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.7667, 0.3123, 0.3378 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

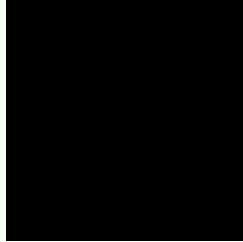
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.7667, 0.3123, 0.3378**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.7667, 0.3123, 0.3378.



This preview shows how white text looks on a background with the Yxy color 97.7667, 0.3123, 0.3378.

# 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

A vertical rectangular area divided into three colored sections: a light green top section, a light orange middle section, and a light yellow bottom section. Each section contains text describing color vision simulation data.

### Original Color

97.7667, 0.3123, 0.3378

### Protanopia

97.7204, 0.3164, 0.3319

### Deuteranopia

97.9091, 0.3146, 0.3290

## **Tritanopia**

97.5363, 0.3110, 0.3261

# Trichromacy



**Original Color**

97.7667, 0.3123, 0.3378

**Protanomaly**

97.7233, 0.3150, 0.3338

**Deuteranomaly**

97.8481, 0.3138, 0.3319

**Tritanomaly**

97.6028, 0.3114, 0.3300

# Monochromacy



**Original Color**

97.7667, 0.3123, 0.3378



**Achromatopsia**

96.4686, 0.3127, 0.3290

**Achromatomaly**

96.6001, 0.3126, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.7667, 0.3123, 0.3378 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(246, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 246)  
}
```

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(246, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 97.7667, 0.3123, 0.3378 is called "border". The border property can be set on classes, ids or directly on the HTML element.

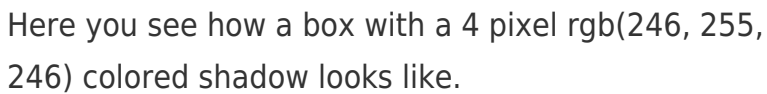
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(246, 255, 246) }
```

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

```
.border{ border-color:rgb(246, 255, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(246, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 255, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 255, 246); box-shadow:4px 4px 4px 4px rgb(246, 255, 246) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.7667, 0.3123, 0.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 246) }
```

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

```
.background{ background-color: rgb(246,  
255, 246) }
```

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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