

# Converting Colors

$Y_{xy}(100.0000, 0.3115, 0.3412)$

Have a look what the booklet for  
Yxy(100.0000, 0.3115, 0.3412)  
contains.

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# Color

**Yxy(97.5863, 0.3117, 0.3378)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FFF6
RGB	245, 255, 246
RGB Percent	96%, 100%, 96%
CMY	0.0392, 0.0000, 0.0354
CMYK	0.04, 0.00, 0.04, 0.00
HSL	126°, 100%, 98%
HSV	126°, 4%, 100%
XYZ	90.0463, 97.5863, 101.2552
YIQ	250.9840, -3.0710, -4.9190

# Conversions

## Conversions Part 2

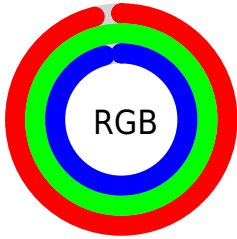
Format	Color
<a href="#">RYB</a>	<a href="#">245, 254, 255</a>
Decimal	<a href="#">16121846</a>
CIELab	<a href="#">99.06, -4.87, 3.16</a>
CIElCh	<a href="#">99, 5.808, 147.017</a>
Yxy	<a href="#">97.5863, 0.3117, 0.3378</a>
Android (android.graphics.Color)	<a href="#">4294311926</a> ( <a href="#">0xFFFF5FFF6</a> )
YUV	<a href="#">250.9840, -2.4571, -5.2480</a>
Hunter-Lab	<a href="#">98.7858, -10.1668, 8.3779</a>

# Details

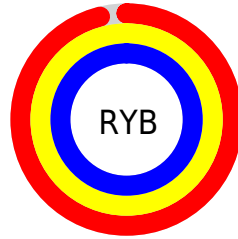
The Yxy color 97.5863, 0.3117, 0.3378 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 93.7214, 0.3137, 0.3204, and the grayscale version is 96.4743, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.9247, 0.3115, 0.3389 is the 20% darker color. If you saturate the color by 10%, you get 91.9828, 0.3090, 0.3624, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

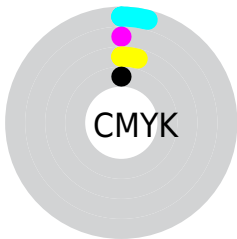
# Distribution



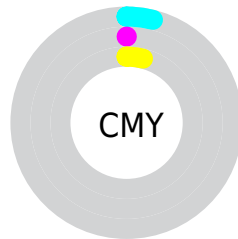
- Red (96%)
- Green (100%)
- Blue (96%)



- 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 97.5863, 0.3117, 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 97.5863, 0.3117, 0.3378 by changing the saturation by 10% instead.




 97.5863, 0.3117,  
0.3378

 97.5863, 0.3117,  
0.3378

552.4120, 0.3122,  
0.3339

 74.2894, 0.3116,  
0.3386


157.8329, 0.3119,  
0.3365

 55.0309, 0.3115,  
0.3397


195.5514, 0.3119,  
0.3360

 39.4265, 0.3113,  
0.3409


238.8459, 0.3120,  
0.3355

 27.0917, 0.3111,  
0.3426

288.1007, 0.3120,  
0.3351

 17.6421, 0.3108,  
0.3447

343.7004, 0.3121,  
0.3348

 10.6933, 0.3105,  
0.3476

406.0292, 0.3121,

 5.8610, 0.3099,

0.3345

0.3519

475.4716, 0.3121,  
0.3342

■ 2.7608, 0.3090,  
0.3586

■ 1.0081, 0.3075,  
0.3715

■ 97.5863, 0.3117,  
0.3378

■ 97.5863, 0.3117,  
0.3378

■ 91.9828, 0.3090,  
0.3624

100.0000, 0.3127,  
0.3290

■ 87.1564, 0.3063,  
0.3901

■ 83.0708, 0.3036,  
0.4207

■ 79.6894, 0.3011,  
0.4535

■ 76.9722, 0.2990,  
0.4871

■ 74.8752, 0.2975,  
0.5196

■ 73.3492, 0.2968,  
0.5488

■ 72.3374, 0.2970,  
0.5723

■ 71.7711, 0.2979,  
0.5886

# Harmonies

## Analogous

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



97.5863, 0.3180, 0.3400



97.5863, 0.3117, 0.3378



97.5863, 0.3057, 0.3332

# Triad

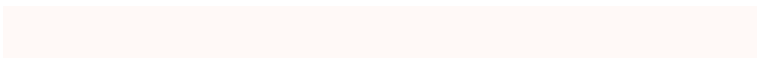
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.5863, 0.3117, 0.3378



97.5863, 0.3025, 0.3189



97.5863, 0.3240, 0.3304

# Complementary

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



97.5863, 0.3117, 0.3378



93.7214, 0.3137, 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.



97.5863, 0.3198, 0.3249



97.5863, 0.3117, 0.3378



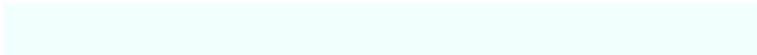
97.5863, 0.3074, 0.3183

# Square

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



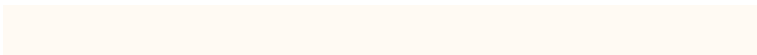
97.5863, 0.3117, 0.3378



97.5863, 0.3004, 0.3222



97.5863, 0.3137, 0.3205



97.5863, 0.3252, 0.3356

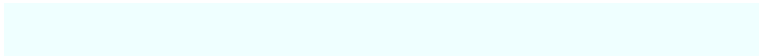


# Rectangle

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



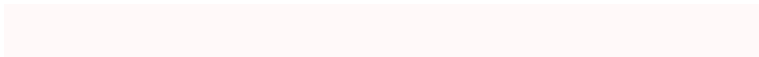
97.5863, 0.3117, 0.3378



97.5863, 0.3027, 0.3294



97.5863, 0.3137, 0.3205



97.5863, 0.3229, 0.3285

# Sweetspot

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



97.5843, 0.3117, 0.3378



99.3722, 0.3125, 0.3312



99.2148, 0.3180, 0.3386



21.2764, 0.3125, 0.3311



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.



97.5843, 0.3117, 0.3378



96.9423, 0.3114, 0.3403



97.8867, 0.3089, 0.3330



20.6611, 0.3112, 0.3419



37.4165, 0.2982, 0.5935



3.6523, 0.2946, 0.5805



# Inverse Universe

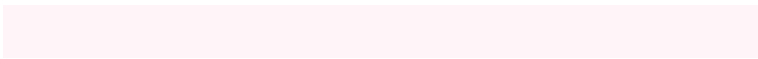
The Inverse Universe completely reimagines the original color for something new.



93.7214, 0.3137, 0.3204



92.0535, 0.3140, 0.3180



93.4138, 0.3167, 0.3250



19.4733, 0.3142, 0.3164



14.1116, 0.3471, 0.1686



1.3825, 0.3438, 0.1667



# Previews

## White Background



This preview shows how the Yxy color 97.5863, 0.3117, 0.3378 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

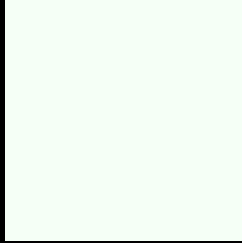
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.5863, 0.3117, 0.3378 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

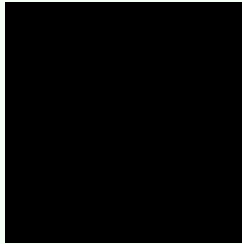
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.5863, 0.3117, 0.3378**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.5863, 0.3117, 0.3378.



This preview shows how white text looks on a background with the Yxy color 97.5863, 0.3117, 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 bar on the left side of the page is divided into three colored sections: a light green top section, a light orange middle section, and a light pink bottom section. These sections correspond to the color simulation results listed to their right.

**Original Color**

97.5863, 0.3117, 0.3378

**Protanopia**

97.6581, 0.3169, 0.3328

**Deuteranopia**

97.2826, 0.3146, 0.3281

## **Tritanopia**

97.5363, 0.3110, 0.3261

# Trichromacy

## Original Color

97.5863, 0.3117, 0.3378

## Protanomaly

97.4752, 0.3149, 0.3348

## Deuteranomaly

97.0322, 0.3133, 0.3309

## Tritanomaly

97.4186, 0.3108, 0.3300

# Monochromacy

## Original Color

97.5863, 0.3117, 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 97.5863, 0.3117, 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(245, 255, 246) looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 97.5863, 0.3117, 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(245, 255, 246) }
```

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

```
.border{ border-color:rgb(245, 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(245, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.5863, 0.3117, 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(245, 255, 246) }
```

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

```
.background{ background-color: rgb(245,  
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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