

# Converting Colors

$Y_{xy}(98.2278, 0.3122, 0.3301)$

Have a look what the booklet for  
Yxy(98.2278, 0.3122, 0.3301)  
contains.

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# Color

**Yxy(97.9743, 0.3127, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCFDFC
RGB	252, 253, 252
RGB Percent	99%, 99%, 99%
CMY	0.0117, 0.0078, 0.0119
CMYK	0.00, 0.00, 0.00, 0.01
HSL	117°, 21%, 99%
HSV	117°, 0%, 99%
XYZ	92.8381, 97.9743, 106.0794
YIQ	252.5870, -0.2750, -0.5230

# Conversions

## Conversions Part 2

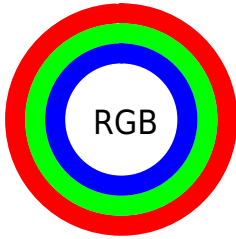
Format	Color
R <sub>Y</sub> B	252, 253, 253
Decimal	16580092
CIE Lab	99.21, -0.50, 0.37
CIE LCh	99, 0.627, 143.614
Yxy	97.9743, 0.3127, 0.3300
Android (android.graphics.Color)	4294770172 (0xFFFCDFC)
YUV	252.5870, -0.2894, -0.5148
Hunter-Lab	98.9820, -5.7981, 5.7460

# Details

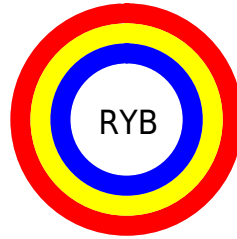
The Yxy color 97.9743, 0.3127, 0.3300 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.5634, 0.3127, 0.3280, and the grayscale version is 97.8664, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.0221, 0.3127, 0.3302 is the 20% darker color. If you saturate the color by 10%, you get 92.2612, 0.3122, 0.3560, and if you desaturate by 10%, it is 98.7353, 0.3128, 0.3271.

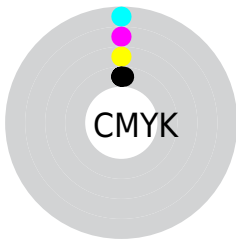
# Distribution



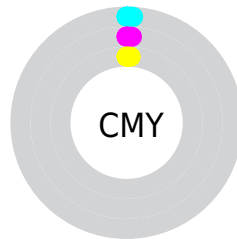
- Red (99%)
- Green (99%)
- Blue (99%)



- Red (99%)
- Yellow (99%)
- Blue (99%)



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.9743, 0.3127, 0.3300 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 97.9743, 0.3127, 0.3300 by changing the saturation by 10% instead.




 97.9743, 0.3127,  
0.3300

 97.9743, 0.3127,  
0.3300


553.6437, 0.3127,  
0.3296

 74.6129, 0.3127,  
0.3301


158.3674, 0.3127,  
0.3299

 55.2959, 0.3127,  
0.3302

196.1679, 0.3127,  
0.3298

 39.6386, 0.3127,  
0.3303


239.5503, 0.3127,  
0.3297

 27.2569, 0.3127,  
0.3305

288.8989, 0.3127,  
0.3297

 17.7663, 0.3127,  
0.3308

344.5982, 0.3127,  
0.3297

 10.7823, 0.3127,  
0.3311

407.0325, 0.3127,

 5.9206, 0.3127,

0.3296

0.3315

476.5862, 0.3127,  
0.3296

■ 2.7969, 0.3126,  
0.3322

■ 1.0266, 0.3126,  
0.3335

■ 97.9743, 0.3127,  
0.3300

■ 97.9743, 0.3127,  
0.3300

■ 92.2612, 0.3122,  
0.3560

98.7353, 0.3128,  
0.3271

■ 87.2986, 0.3116,  
0.3855

■ 83.0592, 0.3107,  
0.4181

■ 79.5091, 0.3096,  
0.4531

■ 76.6120, 0.3082,  
0.4889

■ 74.3281, 0.3066,  
0.5234

■ 72.6130, 0.3049,  
0.5537

■ 71.4169, 0.3032,  
0.5773

■ 70.6809, 0.3017,  
0.5925

# Harmonies

## Analogous

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

97.9743, 0.3134, 0.3302

97.9743, 0.3127, 0.3300

97.9743, 0.3120, 0.3295

# Triad

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

97.9743, 0.3127, 0.3300

97.9743, 0.3116, 0.3280

97.9743, 0.3139, 0.3291

# Complementary

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

97.9743, 0.3127, 0.3300

97.5634, 0.3127, 0.3280

# 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.

97.9743, 0.3134, 0.3285

97.9743, 0.3127, 0.3300

97.9743, 0.3121, 0.3278

# Square

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



97.9743, 0.3127, 0.3300



97.9743, 0.3114, 0.3284



97.9743, 0.3128, 0.3280



97.9743, 0.3141, 0.3297



# Rectangle

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



97.9743, 0.3127, 0.3300



97.9743, 0.3117, 0.3291



97.9743, 0.3128, 0.3280



97.9743, 0.3138, 0.3289

# Sweetspot

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



97.9785, 0.3127, 0.3300

100.0000, 0.3127, 0.3290



98.1321, 0.3133, 0.3300



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

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



97.9785, 0.3127, 0.3300

100.0000, 0.3127, 0.3290



97.9992, 0.3124, 0.3296



21.4041, 0.3127, 0.3290



37.4291, 0.3010, 0.5992



3.6581, 0.3033, 0.5974



# Inverse Universe

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



97.5634, 0.3127, 0.3280

100.0000, 0.3127, 0.3290



97.5427, 0.3130, 0.3285



21.4041, 0.3127, 0.3290



13.7430, 0.3091, 0.1476



1.3511, 0.3105, 0.1484



# Previews

## White Background



This preview shows how the Yxy color 97.9743, 0.3127, 0.3300 looks on a white background.

## Color Contrast Check

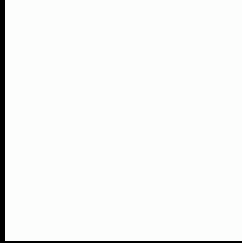
Large Text (above 18pt) WCAG AA × Fail

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 97.9743, 0.3127, 0.3300 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

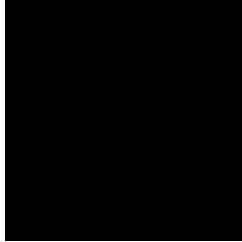
Any Text WCAG AAA ✓ Pass

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



**Yxy 97.9743, 0.3127, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.9743, 0.3127, 0.3300.



This preview shows how white text looks on a background with the Yxy color 97.9743, 0.3127, 0.3300.

# 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

97.9743, 0.3127, 0.3300

### Protanopia

97.9091, 0.3146, 0.3290

### Deuteranopia

97.9727, 0.3140, 0.3281

## **Tritanopia**

97.7235, 0.3116, 0.3261

# Trichromacy

## Original Color

97.9743, 0.3127, 0.3300

## Protanomaly

97.7199, 0.3140, 0.3290

## Deuteranomaly

97.7835, 0.3134, 0.3280

## Tritanomaly

97.6592, 0.3122, 0.3271

# Monochromacy

## Original Color

97.9743, 0.3127, 0.3300

## Achromatopsia

98.2251, 0.3127, 0.3290

## Achromatomaly

98.2251, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.9743, 0.3127, 0.3300 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(252, 253, 252) looks like.

```
.text, #text, p{  
    color:rgb(252, 253, 252)  
}
```

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(252, 253, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 253, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 97.9743, 0.3127, 0.3300 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(252, 253, 252) }
```

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

```
.border{ border-color:rgb(252, 253, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 253, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 253, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 253, 252);  
box-shadow:4px 4px 4px 4px rgb(252, 253,  
252) }
```

# Background

The CSS property to change the background color of an element to Yxy 97.9743, 0.3127, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 253, 252) }
```

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

```
.background{ background-color: rgb(252,  
253, 252) }
```

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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