

# Converting Colors

Yxy(98.2082, 0.3064, 0.3436)

Have a look what the booklet for  
Yxy(98.2082, 0.3064, 0.3436)  
contains.

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# Color

**Yxy(95.7138, 0.3067, 0.3399)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBFFF4
RGB	235, 255, 244
RGB Percent	92%, 100%, 96%
CMY	0.0782, 0.0000, 0.0431
CMYK	0.08, 0.00, 0.04, 0.00
HSL	147°, 100%, 96%
HSV	147°, 8%, 100%
XYZ	86.3649, 95.7138, 99.5153
YIQ	247.7660, -8.3890, -7.6610

# Conversions

## Conversions Part 2

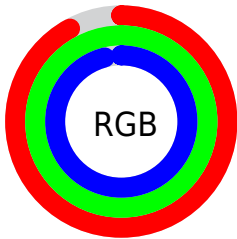
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 249, 255
Decimal	15466484
CIE Lab	98.32, -8.46, 3.01
CIE LCh	98, 8.984, 160.430
Yxy	95.7138, 0.3067, 0.3399
Android (android.graphics.Color)	4293656564 (0xFFEBFFF4)
YUV	247.7660, -1.8566, -11.1958
Hunter-Lab	97.8334, -13.6332, 8.1741

# Details

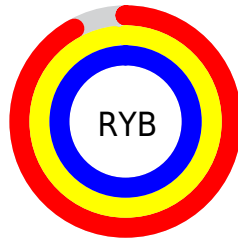
The Yxy color 95.7138, 0.3067, 0.3399 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.3650, 0.3192, 0.3183, and the grayscale version is 93.6989, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.6027, 0.3051, 0.3417 is the 20% darker color. If you saturate the color by 10%, you get 90.8614, 0.2991, 0.3554, and if you desaturate by 10%, it is 99.9935, 0.3127, 0.3290.

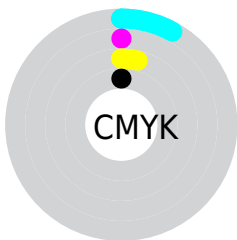
# Distribution



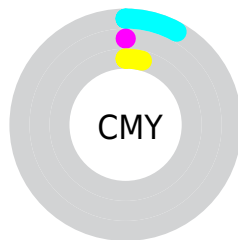
- Red (92%)
- Green (100%)
- Blue (96%)



- Red (92%)
- Yellow (98%)
- Blue (100%)



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.7138, 0.3067, 0.3399 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 95.7138, 0.3067, 0.3399 by changing the saturation by 10% instead.



 95.7138, 0.3067,  
0.3399

 95.7138, 0.3067,  
0.3399


546.4476, 0.3094,  
0.3351

 72.7292, 0.3061,  
0.3410

155.2504, 0.3076,  
0.3383

 53.7546, 0.3054,  
0.3423


192.5712, 0.3080,  
0.3376

 38.4055, 0.3045,  
0.3439


235.4395, 0.3083,  
0.3370

 26.2975, 0.3034,  
0.3459

284.2397, 0.3086,  
0.3366

 17.0464, 0.3019,  
0.3486

339.3562, 0.3088,  
0.3361

 10.2676, 0.2999,  
0.3523

401.1734, 0.3090,

 5.5767, 0.2968,

0.3357

0.3578

470.0758, 0.3092,  
0.3354

■ 2.5894, 0.2920,  
0.3666

■ 0.9214, 0.2807,  
0.3867

■ 95.7138, 0.3067,  
0.3399

■ 95.7138, 0.3067,  
0.3399


■ 90.8614, 0.2991,  
0.3554

99.9935, 0.3127,  
0.3290


■ 86.6645, 0.2920,  
0.3725


■ 83.0972, 0.2854,  
0.3913


■ 80.1277, 0.2799,  
0.4116

 77.7209, 0.2757,  
0.4329

 75.8380, 0.2732,  
0.4548

 74.4353, 0.2726,  
0.4766

 73.4610, 0.2740,  
0.4975

 72.8469, 0.2773,  
0.5169

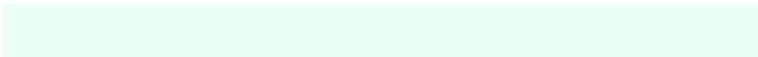
# Harmonies

## Analogous

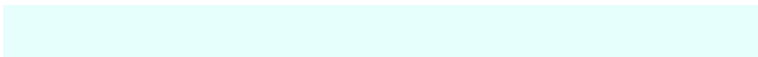
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.7138, 0.3166, 0.3452



95.7138, 0.3067, 0.3399



95.7138, 0.2985, 0.3315

# Triad

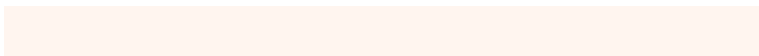
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.7138, 0.3067, 0.3399



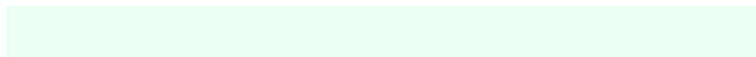
95.7138, 0.2998, 0.3123



95.7138, 0.3318, 0.3349

# Complementary

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



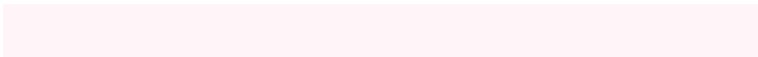
95.7138, 0.3067, 0.3399



87.3650, 0.3192, 0.3183

# 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.



95.7138, 0.3271, 0.3263



95.7138, 0.3067, 0.3399



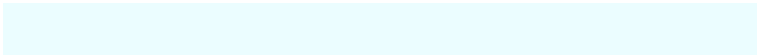
95.7138, 0.3086, 0.3134

# Square

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



95.7138, 0.3067, 0.3399



95.7138, 0.2945, 0.3156



95.7138, 0.3186, 0.3185



95.7138, 0.3312, 0.3422



# Rectangle

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



95.7138, 0.3067, 0.3399



95.7138, 0.2950, 0.3255



95.7138, 0.3186, 0.3185



95.7138, 0.3308, 0.3321

# Sweetspot

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



95.7179, 0.3067, 0.3399



98.8658, 0.3112, 0.3317



97.1718, 0.3189, 0.3486



21.1732, 0.3112, 0.3316



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.



95.7179, 0.3067, 0.3399



95.1163, 0.3058, 0.3416



96.3198, 0.3013, 0.3303



20.3038, 0.3054, 0.3424



38.0405, 0.2772, 0.5179



3.7255, 0.2711, 0.4960



# Inverse Universe

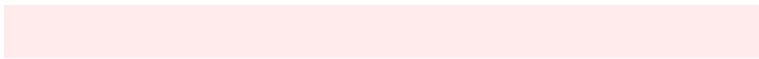
The Inverse Universe completely reimagines the original color for something new.



87.3650, 0.3192, 0.3183



85.5754, 0.3203, 0.3167



86.7874, 0.3254, 0.3277



18.1546, 0.3207, 0.3160



12.1366, 0.4748, 0.2389

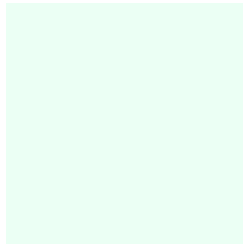


1.2037, 0.4524, 0.2266



# Previews

## White Background



This preview shows how the Yxy color 95.7138, 0.3067, 0.3399 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

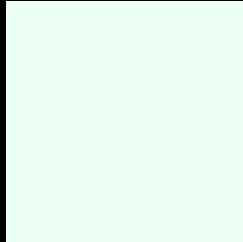
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.7138, 0.3067, 0.3399 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

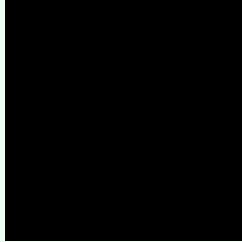
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

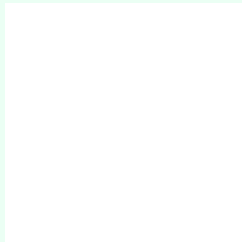
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 95.7138, 0.3067, 0.3399**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.7138, 0.3067, 0.3399.

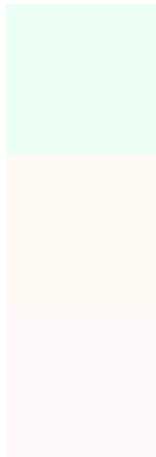


This preview shows how white text looks on a background with the Yxy color 95.7138, 0.3067, 0.3399.

# 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

95.7138, 0.3067, 0.3399

### Protanopia

95.4824, 0.3201, 0.3348

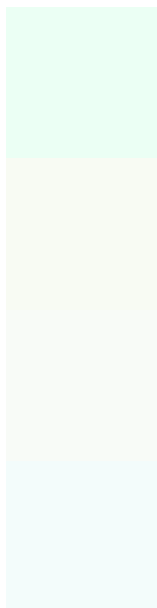
### Deuteranopia

95.2344, 0.3166, 0.3281

## **Tritanopia**

95.5477, 0.3086, 0.3242

# Trichromacy



## Original Color

95.7138, 0.3067, 0.3399

## Protanomaly

95.4219, 0.3155, 0.3368

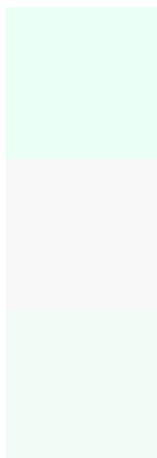
## Deuteranomaly

95.6662, 0.3132, 0.3329

## Tritanomaly

95.6405, 0.3077, 0.3300

# Monochromacy



## Original Color

95.7138, 0.3067, 0.3399

## Achromatopsia

93.8686, 0.3127, 0.3290

## Achromatomaly

94.7644, 0.3100, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.7138, 0.3067, 0.3399 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(235, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 244)  
}
```

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(235, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 95.7138, 0.3067, 0.3399 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(235, 255, 244) }
```

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

```
.border{ border-color:rgb(235, 255, 244) }
```

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

Here you see how a box with a 4 pixel rgb(235, 255, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.7138, 0.3067, 0.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 244) }
```

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

```
.background{ background-color: rgb(235,  
255, 244) }
```

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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