

# Converting Colors

$Y_{xy}(94.7875, 0.3053, 0.3304)$

Have a look what the booklet for  
Yxy(94.7875, 0.3053, 0.3304)  
contains.

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# Color

**Yxy(94.8737, 0.3058, 0.3310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFCFA
RGB	239, 252, 250
RGB Percent	94%, 99%, 98%
CMY	0.0628, 0.0117, 0.0198
CMYK	0.05, 0.00, 0.01, 0.01
HSL	171°, 69%, 96%
HSV	171°, 5%, 99%
XYZ	87.6507, 94.8737, 104.1031
YIQ	247.8850, -7.1060, -3.3780

# Conversions

## Conversions Part 2

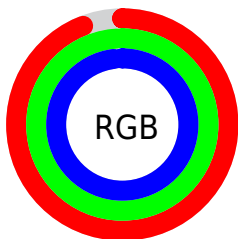
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 246, 252
Decimal	15727866
CIE Lab	97.98, -4.63, -0.51
CIE LCh	98, 4.655, 186.254
Yxy	94.8737, 0.3058, 0.3310
Android (android.graphics.Color)	4293917946 (0xFFEFFCFA)
YUV	247.8850, 1.0427, -7.7921
Hunter-Lab	97.4031, -9.8277, 4.8139

# Details

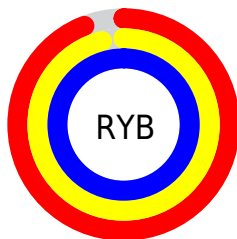
The Yxy color 94.8737, 0.3058, 0.3310 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.7696, 0.3201, 0.3270, and the grayscale version is 93.7641, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.9925, 0.3040, 0.3302 is the 20% darker color. If you saturate the color by 10%, you get 90.5470, 0.2929, 0.3352, and if you desaturate by 10%, it is 98.0430, 0.3135, 0.3272.

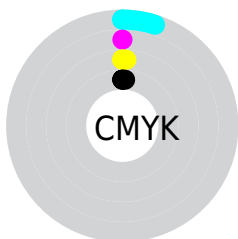
# Distribution



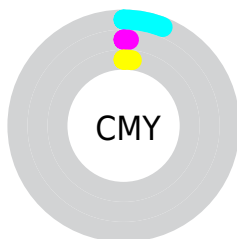
- Red (94%)
- Green (99%)
- Blue (98%)



- Red (94%)
- Yellow (96%)
- Blue (99%)



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




- Cyan (6%)
- Magenta (1%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.8737, 0.3058, 0.3310 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 94.8737, 0.3058, 0.3310 by changing the saturation by 10% instead.




 94.8737, 0.3058,  
0.3310

 94.8737, 0.3058,  
0.3310


543.7606, 0.3089,  
0.3301

 72.0299, 0.3051,  
0.3312


154.0901, 0.3068,  
0.3307

 53.1831, 0.3043,  
0.3314


191.2315, 0.3072,  
0.3306

 37.9489, 0.3033,  
0.3317


233.9074, 0.3076,  
0.3305

 25.9431, 0.3021,  
0.3321

282.5024, 0.3079,  
0.3304

 16.7810, 0.3004,  
0.3325

337.4009, 0.3082,  
0.3303

 10.0785, 0.2981,  
0.3332

398.9871, 0.3084,

 5.4510, 0.2948,

0.3303

467.6455, 0.3087,  
0.3302

0.3341

2.5143, 0.2896,  
0.3355

0.8838, 0.2787,  
0.3387

94.8737, 0.3058,  
0.3310

94.8737, 0.3058,  
0.3310

90.5470, 0.2929,  
0.3352

98.0430, 0.3135,  
0.3272

86.8079, 0.2807,  
0.3397

98.1116, 0.3128,  
0.3262

83.6334, 0.2696,  
0.3446

80.9945, 0.2599,  
0.3498

■ 78.8596, 0.2519,  
0.3552

■ 77.1937, 0.2457,  
0.3608

■ 75.9572, 0.2415,  
0.3665

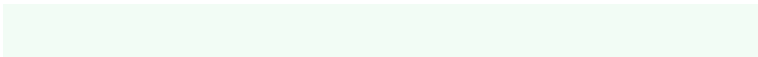
■ 75.1042, 0.2392,  
0.3722

■ 74.5779, 0.2388,  
0.3778

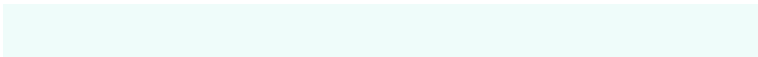
# Harmonies

## Analogous

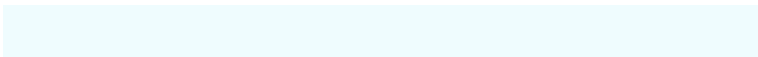
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.8737, 0.3103, 0.3351



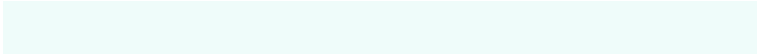
94.8737, 0.3058, 0.3310



94.8737, 0.3031, 0.3264

# Triad

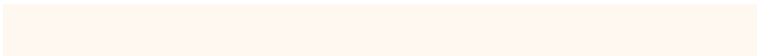
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.8737, 0.3058, 0.3310



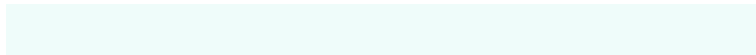
94.8737, 0.3099, 0.3206



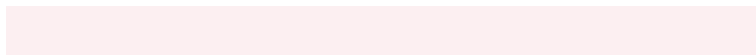
94.8737, 0.3225, 0.3355

# Complementary

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



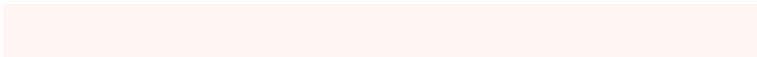
94.8737, 0.3058, 0.3310



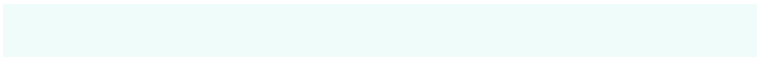
88.7696, 0.3201, 0.3270

# Split Complementary

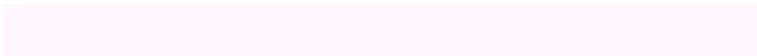
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.8737, 0.3224, 0.3316



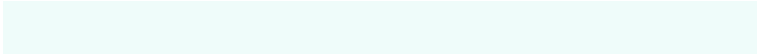
94.8737, 0.3058, 0.3310



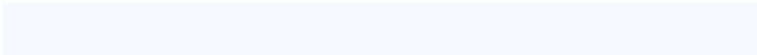
94.8737, 0.3151, 0.3230

# Square

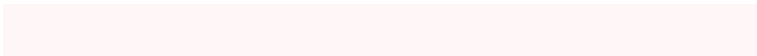
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.8737, 0.3058, 0.3310



94.8737, 0.3055, 0.3204



94.8737, 0.3197, 0.3270

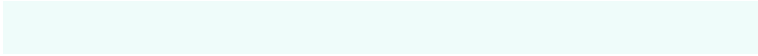


94.8737, 0.3200, 0.3377

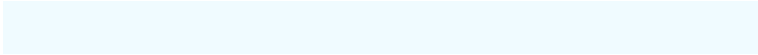


# Rectangle

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



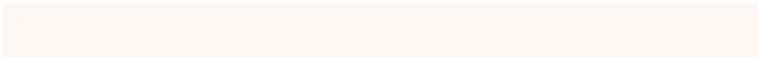
94.8737, 0.3058, 0.3310



94.8737, 0.3028, 0.3236



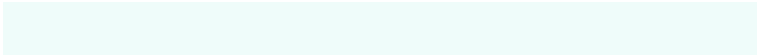
94.8737, 0.3197, 0.3270



94.8737, 0.3228, 0.3343

# Sweetspot

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



94.8777, 0.3058, 0.3310



98.9939, 0.3100, 0.3298



94.5890, 0.3135, 0.3419



21.1993, 0.3102, 0.3297



0.0000, 0.0000, 0.0000

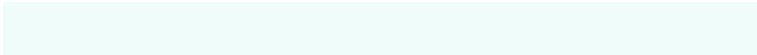


21.4041, 0.3127, 0.3290

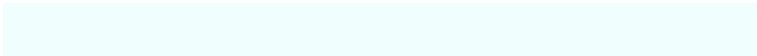


# Same Dimension

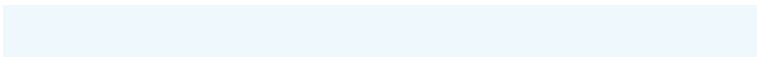
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.8777, 0.3058, 0.3310



97.0585, 0.3047, 0.3313



92.3076, 0.3047, 0.3247



19.8260, 0.3039, 0.3316



38.7686, 0.2388, 0.3795

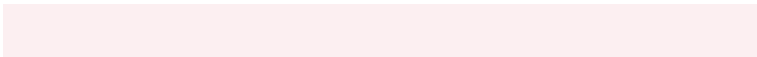


3.6029, 0.2369, 0.3728



# Inverse Universe

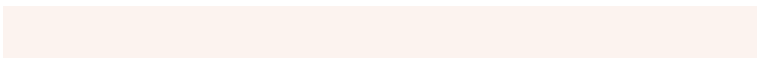
The Inverse Universe completely reimagines the original color for something new.



88.7696, 0.3201, 0.3270



89.8211, 0.3214, 0.3267



91.2234, 0.3210, 0.3333



18.1920, 0.3223, 0.3264



10.8728, 0.6180, 0.3178

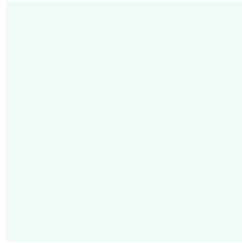


1.0196, 0.5890, 0.3018



# Previews

## White Background



This preview shows how the Yxy color 94.8737, 0.3058, 0.3310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

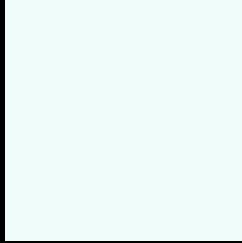
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.8737, 0.3058, 0.3310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

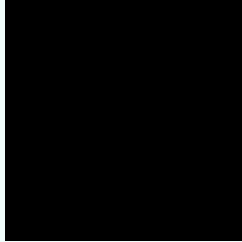
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

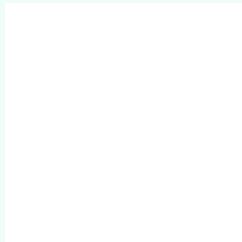
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.8737, 0.3058, 0.3310**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.8737, 0.3058, 0.3310.

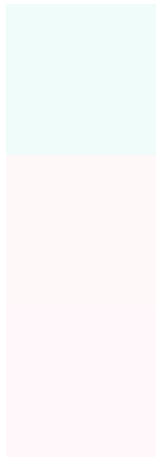


This preview shows how white text looks on a background with the Yxy color 94.8737, 0.3058, 0.3310.

# 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

94.8737, 0.3058, 0.3310

### Protanopia

94.9829, 0.3165, 0.3290

### Deuteranopia

94.6837, 0.3160, 0.3261

## Tritanopia

94.7455, 0.3080, 0.3232

# Trichromacy



**Original Color**

94.8737, 0.3058, 0.3310

**Protanomaly**

94.7307, 0.3127, 0.3290

**Deuteranomaly**

94.7932, 0.3121, 0.3280

**Tritanomaly**

94.6962, 0.3072, 0.3261

# Monochromacy



**Original Color**

94.8737, 0.3058, 0.3310

**Achromatopsia**

93.8686, 0.3127, 0.3290

**Achromatomaly**

94.0034, 0.3102, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  94.8737, 0.3058, 0.3310 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(239, 252, 250)` looks like.

```
.text, #text, p{  
    color:rgb(239, 252, 250)  
}
```

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(239, 252, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 252, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 94.8737, 0.3058, 0.3310 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(239, 252, 250) }
```

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

```
.border{ border-color:rgb(239, 252, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 252, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 252, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 252, 250);  
box-shadow:4px 4px 4px 4px rgb(239, 252,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.8737, 0.3058, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 252, 250) }
```

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

```
.background{ background-color: rgb(239,  
252, 250) }
```

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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