

# Converting Colors

$Y_{xy}(100.0000, 0.3049, 0.3430)$

Have a look what the booklet for  
Yxy(100.0000, 0.3049, 0.3430)  
contains.

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# Color

**Yxy(95.8976, 0.3050, 0.3369)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBFFF7
RGB	235, 255, 247
RGB Percent	92%, 100%, 97%
CMY	0.0783, 0.0000, 0.0314
CMYK	0.08, 0.00, 0.03, 0.00
HSL	156°, 100%, 96%
HSV	156°, 8%, 100%
XYZ	86.8174, 95.8976, 101.9321
YIQ	248.1080, -9.3520, -6.7280

# Conversions

## Conversions Part 2

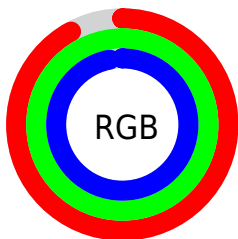
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 248, 255
Decimal	15466487
CIE Lab	98.39, -7.94, 1.58
CIE LCh	98, 8.091, 168.763
Yxy	95.8976, 0.3050, 0.3369
Android (android.graphics.Color)	4293656567 (0xFFEBFFF7)
YUV	248.1080, -0.5462, -11.4957
Hunter-Lab	97.9273, -13.1238, 6.8344

# Details

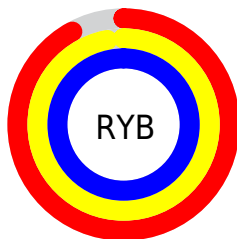
The Yxy color 95.8976, 0.3050, 0.3369 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.1675, 0.3211, 0.3212, and the grayscale version is 93.9793, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.7335, 0.3030, 0.3379 is the 20% darker color. If you saturate the color by 10%, you get 91.2539, 0.2954, 0.3480, and if you desaturate by 10%, it is 99.9983, 0.3127, 0.3290.

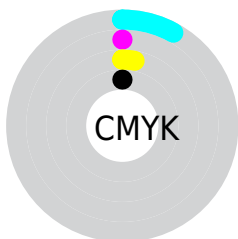
# Distribution



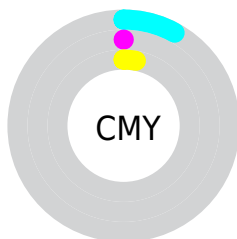
- Red (92%)
- Green (100%)
- Blue (97%)



- Red (92%)
- Yellow (97%)
- Blue (100%)



- Cyan (8%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.8976, 0.3050, 0.3369 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 95.8976, 0.3050, 0.3369 by changing the saturation by 10% instead.



 95.8976, 0.3050,  
0.3369

 95.8976, 0.3050,  
0.3369


547.0346, 0.3084,  
0.3334

 72.8823, 0.3043,  
0.3377


155.5041, 0.3062,  
0.3357

 53.8797, 0.3034,  
0.3386


192.8640, 0.3066,  
0.3352

 38.5055, 0.3022,  
0.3397


235.7743, 0.3070,  
0.3348

 26.3753, 0.3008,  
0.3412

284.6193, 0.3074,  
0.3345

 17.1046, 0.2990,  
0.3431

339.7835, 0.3077,  
0.3342

 10.3091, 0.2964,  
0.3458

401.6511, 0.3079,

 5.6044, 0.2927,

0.3339

0.3497

470.6067, 0.3082,  
0.3336

■ 2.6060, 0.2868,  
0.3559

■ 0.9297, 0.2735,  
0.3689

■ 95.8976, 0.3050,  
0.3369

■ 95.8976, 0.3050,  
0.3369


■ 91.2539, 0.2954,  
0.3480


99.9983, 0.3127,  
0.3290


■ 87.2360, 0.2864,  
0.3603


■ 83.8190, 0.2782,  
0.3736

■ 80.9720, 0.2712,  
0.3880

 78.6610, 0.2657,  
0.4031

 76.8482, 0.2619,  
0.4187

 75.4910, 0.2602,  
0.4345

 74.5389, 0.2606,  
0.4502

 73.9247, 0.2629,  
0.4655

# Harmonies

## Analogous

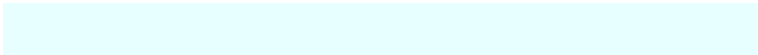
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.8976, 0.3138, 0.3426



95.8976, 0.3050, 0.3369



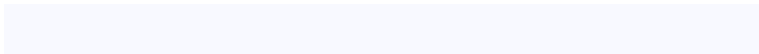
95.8976, 0.2984, 0.3290

# Triad

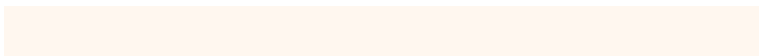
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.8976, 0.3050, 0.3369



95.8976, 0.3030, 0.3138



95.8976, 0.3302, 0.3364

# Complementary

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



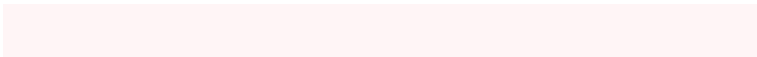
95.8976, 0.3050, 0.3369



87.1675, 0.3211, 0.3212

# 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.



95.8976, 0.3273, 0.3288



95.8976, 0.3050, 0.3369



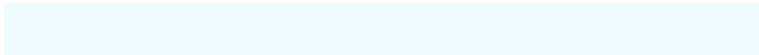
95.8976, 0.3115, 0.3159

# Square

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



95.8976, 0.3050, 0.3369



95.8976, 0.2972, 0.3158



95.8976, 0.3204, 0.3213



95.8976, 0.3284, 0.3422



# Rectangle

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



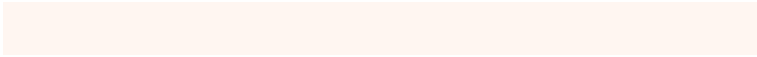
95.8976, 0.3050, 0.3369



95.8976, 0.2960, 0.3237



95.8976, 0.3204, 0.3213



95.8976, 0.3297, 0.3339

# Sweetspot

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



95.9017, 0.3050, 0.3369



98.9147, 0.3107, 0.3310



96.6356, 0.3170, 0.3487



21.1832, 0.3108, 0.3309



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

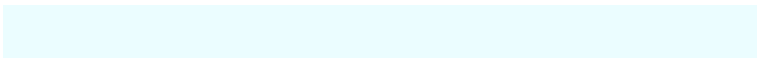
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.9017, 0.3050, 0.3369



95.3265, 0.3039, 0.3381



95.3489, 0.3006, 0.3273



20.3511, 0.3034, 0.3387



38.6013, 0.2629, 0.4663



3.7801, 0.2580, 0.4489



# Inverse Universe

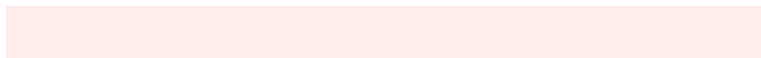
The Inverse Universe completely reimagines the original color for something new.



87.1675, 0.3211, 0.3212



85.3665, 0.3225, 0.3200



87.6523, 0.3261, 0.3307



18.1076, 0.3231, 0.3195



11.6385, 0.5383, 0.2739



1.1541, 0.5081, 0.2573



# Previews

## White Background



This preview shows how the Yxy color 95.8976, 0.3050, 0.3369 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

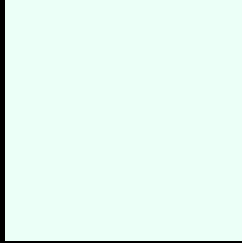
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.8976, 0.3050, 0.3369 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

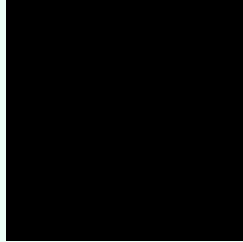
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

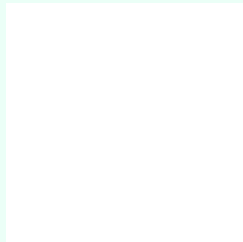
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 95.8976, 0.3050, 0.3369**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.8976, 0.3050, 0.3369.

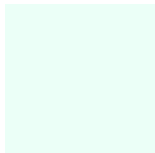


This preview shows how white text looks on a background with the Yxy color 95.8976, 0.3050, 0.3369.

# 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

95.8976, 0.3050, 0.3369



### Protanopia

95.6039, 0.3189, 0.3329

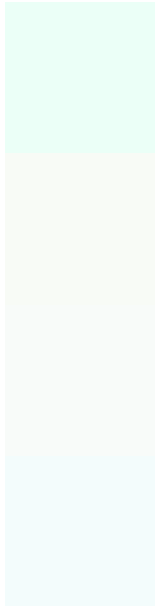
### Deuteranopia

95.9135, 0.3159, 0.3281

## **Tritanopia**

95.5477, 0.3086, 0.3242

# Trichromacy



## Original Color

95.8976, 0.3050, 0.3369

## Protanomaly

95.6046, 0.3137, 0.3339

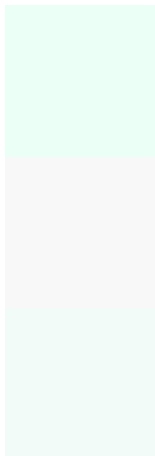
## Deuteranomaly

95.7904, 0.3120, 0.3309

## Tritanomaly

95.7038, 0.3071, 0.3290

# Monochromacy



## Original Color

95.8976, 0.3050, 0.3369

## Achromatopsia

93.8686, 0.3127, 0.3290

## Achromatomaly

94.8264, 0.3094, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.8976, 0.3050, 0.3369 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 95.8976, 0.3050, 0.3369 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, 247) }
```

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

```
.border{ border-color:rgb(235, 255, 247) }
```

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, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.8976, 0.3050, 0.3369 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, 247) }
```

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

```
.background{ background-color: rgb(235,  
255, 247) }
```

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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