

# Converting Colors

$Y_{xy}(97.3729, 0.3074, 0.3333)$

Have a look what the booklet for  
Yxy(97.3729, 0.3074, 0.3333)  
contains.

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# Color

**Yxy(97.3623, 0.3070, 0.3329)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FFFB
RGB	242, 255, 251
RGB Percent	95%, 100%, 98%
CMY	0.0510, 0.0000, 0.0157
CMYK	0.05, 0.00, 0.02, 0.00
HSL	161°, 100%, 97%
HSV	161°, 5%, 100%
XYZ	89.7874, 97.3623, 105.3174
YIQ	250.6570, -6.4640, -4.0000

# Conversions

## Conversions Part 2

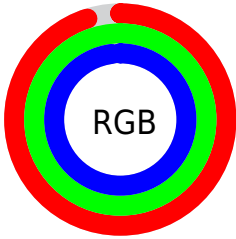
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	242, 250, 255
Decimal	15925243
CIE Lab	98.97, -4.96, 0.43
CIE LCh	99, 4.982, 175.011
Yxy	97.3623, 0.3070, 0.3329
Android (android.graphics.Color)	4294115323 (0xFF2FFFB)
YUV	250.6570, 0.1691, -7.5922
Hunter-Lab	98.6723, -10.2496, 5.7878

# Details

The Yxy color 97.3623, 0.3070, 0.3329 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.4157, 0.3188, 0.3251, and the grayscale version is 96.1697, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.7674, 0.3055, 0.3327 is the 20% darker color. If you saturate the color by 10%, you get 92.6732, 0.2961, 0.3412, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

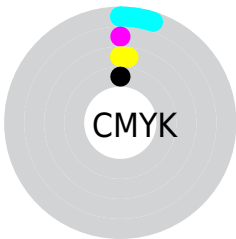
# Distribution



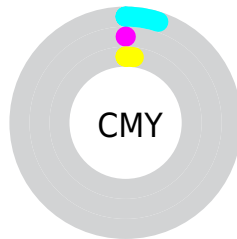
- Red (95%)
- Green (100%)
- Blue (98%)



- Red (95%)
- Yellow (98%)
- Blue (100%)



- Cyan (5%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.3623, 0.3070, 0.3329 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 97.3623, 0.3070, 0.3329 by changing the saturation by 10% instead.




 97.3623, 0.3070,  
0.3329

 97.3623, 0.3070,  
0.3329

551.7003, 0.3095,  
0.3312

 74.1027, 0.3065,  
0.3333

157.5242, 0.3078,  
0.3323

 54.8781, 0.3058,  
0.3337


195.1953, 0.3082,  
0.3321

 39.3041, 0.3050,  
0.3343


238.4390, 0.3085,  
0.3319

 26.9964, 0.3039,  
0.3350

287.6397, 0.3087,  
0.3317

 17.5705, 0.3026,  
0.3359

343.1817, 0.3090,  
0.3316

 10.6421, 0.3007,  
0.3372

405.4496, 0.3092,

 5.8267, 0.2981,

0.3314

0.3390

474.8277, 0.3094,  
0.3313

■ 2.7400, 0.2939,  
0.3419

■ 0.9975, 0.2863,  
0.3471

■ 97.3623, 0.3070,  
0.3329

■ 97.3623, 0.3070,  
0.3329

■ 92.6732, 0.2961,  
0.3412


100.0000, 0.3127,  
0.3290

■ 88.6092, 0.2857,  
0.3503


■ 85.1407, 0.2762,  
0.3602


■ 82.2378, 0.2680,  
0.3708

 79.8677, 0.2612,  
0.3820

 77.9941, 0.2562,  
0.3936

 76.5762, 0.2531,  
0.4055

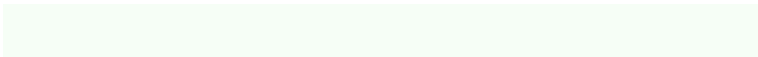
 75.5664, 0.2522,  
0.4175

 74.9061, 0.2532,  
0.4292

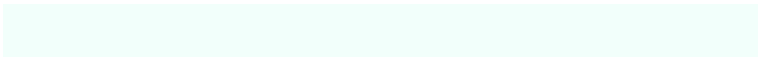
# Harmonies

## Analogous

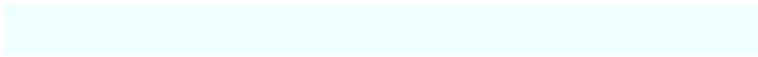
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.3623, 0.3122, 0.3367



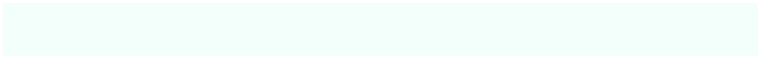
97.3623, 0.3070, 0.3329



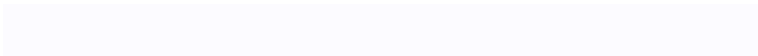
97.3623, 0.3033, 0.3280

# Triad

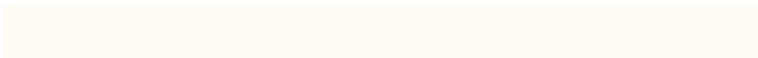
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.3623, 0.3070, 0.3329



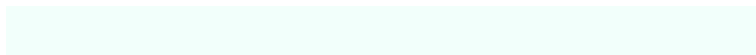
97.3623, 0.3078, 0.3197



97.3623, 0.3234, 0.3345

# Complementary

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



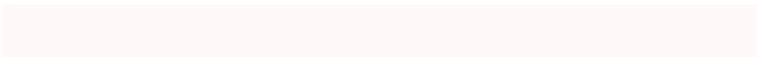
97.3623, 0.3070, 0.3329



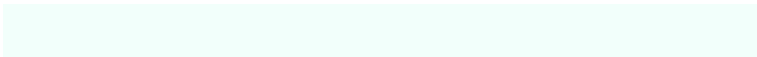
91.4157, 0.3188, 0.3251

# 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.



97.3623, 0.3222, 0.3299



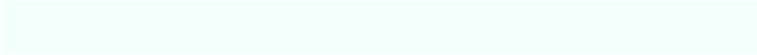
97.3623, 0.3070, 0.3329



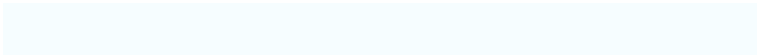
97.3623, 0.3132, 0.3215

# Square

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



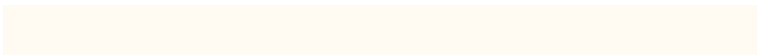
97.3623, 0.3070, 0.3329



97.3623, 0.3038, 0.3204



97.3623, 0.3184, 0.3252



97.3623, 0.3217, 0.3376

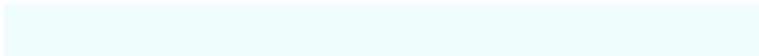


# Rectangle

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



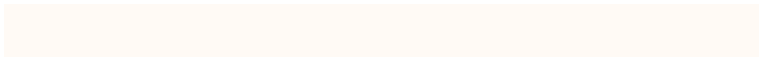
97.3623, 0.3070, 0.3329



97.3623, 0.3022, 0.3249



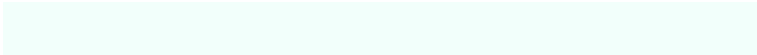
97.3623, 0.3184, 0.3252



97.3623, 0.3233, 0.3330

# Sweetspot

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



97.3608, 0.3070, 0.3329



98.9446, 0.3105, 0.3305



97.5439, 0.3147, 0.3417



21.1893, 0.3106, 0.3304



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.



97.3608, 0.3070, 0.3329



96.9126, 0.3060, 0.3336



96.1047, 0.3048, 0.3267



20.6744, 0.3053, 0.3341



39.0442, 0.2536, 0.4330

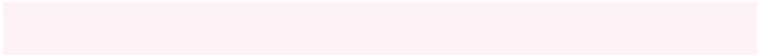


3.8212, 0.2499, 0.4196



# Inverse Universe

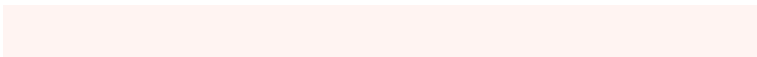
The Inverse Universe completely reimagines the original color for something new.



91.4157, 0.3188, 0.3251



89.9608, 0.3199, 0.3244



92.6006, 0.3211, 0.3313



19.0317, 0.3208, 0.3239



11.4243, 0.5739, 0.2935

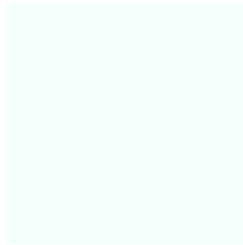


1.1309, 0.5419, 0.2759



# Previews

## White Background



This preview shows how the Yxy color 97.3623, 0.3070, 0.3329 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

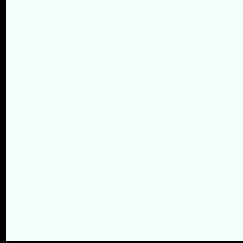
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.3623, 0.3070, 0.3329 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

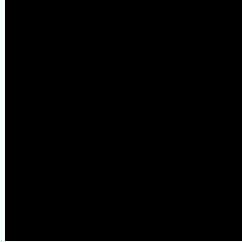
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.3623, 0.3070, 0.3329**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.3623, 0.3070, 0.3329.

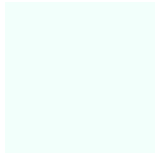


This preview shows how white text looks on a background with the Yxy color 97.3623, 0.3070, 0.3329.

# 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

97.3623, 0.3070, 0.3329



### Protanopia

97.1565, 0.3158, 0.3300

### Deuteranopia

97.2826, 0.3146, 0.3281

## **Tritanopia**

97.3500, 0.3104, 0.3261

# Trichromacy



**Original Color**

97.3623, 0.3070, 0.3329

**Protanomaly**

96.8469, 0.3126, 0.3309

**Deuteranomaly**

96.9731, 0.3115, 0.3290

**Tritanomaly**

97.3628, 0.3090, 0.3280

# Monochromacy



**Original Color**

97.3623, 0.3070, 0.3329

**Achromatopsia**

96.4686, 0.3127, 0.3290

**Achromatomaly**

96.5423, 0.3108, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.3623, 0.3070, 0.3329 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(242, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 251)  
}
```

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(242, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 97.3623, 0.3070, 0.3329 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(242, 255, 251) }
```

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

```
.border{ border-color:rgb(242, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.3623, 0.3070, 0.3329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 251) }
```

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

```
.background{ background-color: rgb(242,  
255, 251) }
```

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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