

# Converting Colors

$Y_{xy}(100.0000, 0.3061, 0.3389)$

Have a look what the booklet for  
Yxy(100.0000, 0.3061, 0.3389)  
contains.

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# Color

**Yxy(96.9474, 0.3063, 0.3339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0FFFA
RGB	240, 255, 250
RGB Percent	94%, 100%, 98%
CMY	0.0591, 0.0000, 0.0196
CMYK	0.06, 0.00, 0.02, 0.00
HSL	160°, 100%, 97%
HSV	160°, 6%, 100%
XYZ	88.9338, 96.9474, 104.4674
YIQ	249.9450, -7.3350, -4.7350

# Conversions

## Conversions Part 2

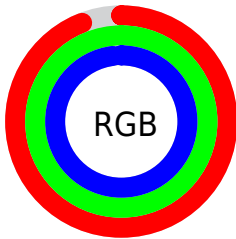
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 249, 255
Decimal	15794170
CIE <sub>Lab</sub>	98.81, -5.82, 0.68
CIE <sub>LCh</sub>	99, 5.858, 173.286
Y <sub>xy</sub>	96.9474, 0.3063, 0.3339
Android (android.graphics.Color)	4293984250 (0xFF0FFFA)
Y <sub>UV</sub>	249.9450, 0.0271, -8.7218
Hunter-Lab	98.4619, -11.0816, 6.0170

# Details

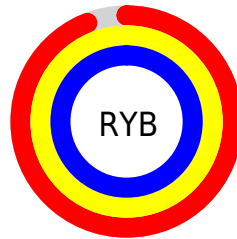
The Yxy color 96.9474, 0.3063, 0.3339 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.1309, 0.3196, 0.3242, and the grayscale version is 95.5373, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.4736, 0.3047, 0.3340 is the 20% darker color. If you saturate the color by 10%, you get 92.2650, 0.2957, 0.3429, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

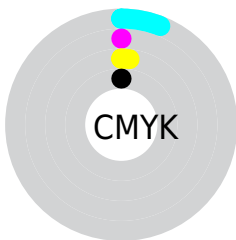
# Distribution



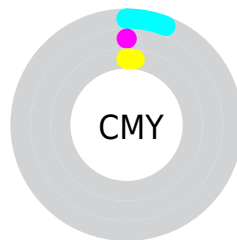
- Red (94%)
- Green (100%)
- Blue (98%)



- Red (94%)
- Yellow (98%)
- Blue (100%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.9474, 0.3063, 0.3339 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 96.9474, 0.3063, 0.3339 by changing the saturation by 10% instead.




 96.9474, 0.3063,  
0.3339

 96.9474, 0.3063,  
0.3339

550.3808, 0.3091,  
0.3318

 73.7569, 0.3057,  
0.3344


156.9523, 0.3073,  
0.3332

 54.5951, 0.3049,  
0.3349


194.5354, 0.3076,  
0.3329

 39.0776, 0.3040,  
0.3356

237.6849, 0.3080,  
0.3326

 26.8201, 0.3029,  
0.3365

286.7850, 0.3083,  
0.3324

 17.4382, 0.3013,  
0.3377

342.2203, 0.3085,  
0.3322

 10.5474, 0.2992,  
0.3393

404.3751, 0.3087,

 5.7634, 0.2962,

0.3320

0.3416

473.6338, 0.3089,  
0.3319

■ 2.7017, 0.2915,  
0.3453

■ 0.9781, 0.2825,  
0.3522

■ 96.9474, 0.3063,  
0.3339

■ 96.9474, 0.3063,  
0.3339

■ 92.2650, 0.2957,  
0.3429

100.0000, 0.3127,  
0.3290

■ 88.2182, 0.2857,  
0.3528

■ 84.7679, 0.2766,  
0.3635

■ 81.8837, 0.2686,  
0.3751

■ 79.5324, 0.2622,  
0.3873

■ 77.6774, 0.2575,  
0.3999

■ 76.2774, 0.2549,  
0.4128

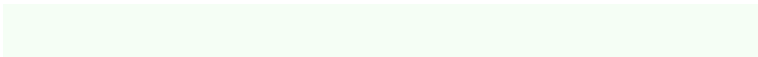
■ 75.2841, 0.2543,  
0.4257

■ 74.6374, 0.2556,  
0.4384

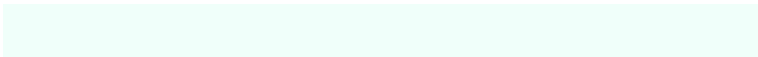
# Harmonies

## Analogous

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



96.9474, 0.3125, 0.3383



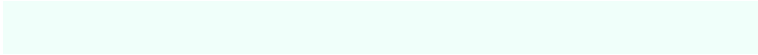
96.9474, 0.3063, 0.3339



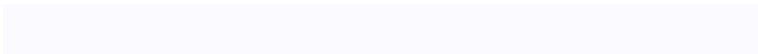
96.9474, 0.3018, 0.3282

# Triad

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



96.9474, 0.3063, 0.3339



96.9474, 0.3066, 0.3181



96.9474, 0.3253, 0.3351

# Complementary

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



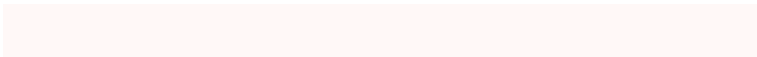
96.9474, 0.3063, 0.3339



90.1309, 0.3196, 0.3242

# 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.



96.9474, 0.3237, 0.3297



96.9474, 0.3063, 0.3339



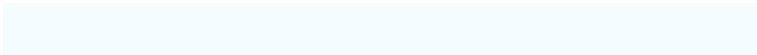
96.9474, 0.3128, 0.3200

# Square

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



96.9474, 0.3063, 0.3339



96.9474, 0.3020, 0.3191



96.9474, 0.3191, 0.3242

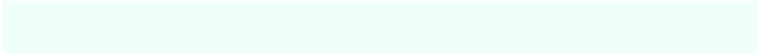


96.9474, 0.3235, 0.3390

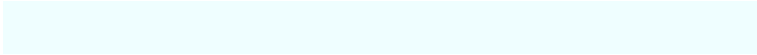


# Rectangle

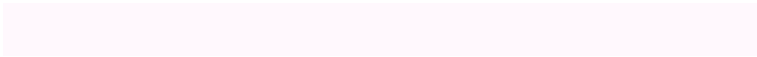
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



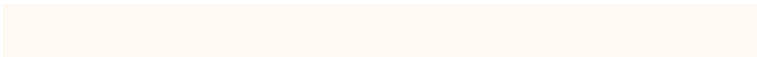
96.9474, 0.3063, 0.3339



96.9474, 0.3004, 0.3244



96.9474, 0.3191, 0.3242



96.9474, 0.3252, 0.3334

# Sweetspot

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



96.9362, 0.3063, 0.3339



98.9370, 0.3105, 0.3306



97.2122, 0.3151, 0.3438



21.1877, 0.3106, 0.3305



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

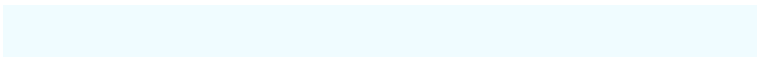
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.9362, 0.3063, 0.3339



96.3947, 0.3051, 0.3348



95.6625, 0.3035, 0.3265



20.5691, 0.3045, 0.3353



38.9237, 0.2560, 0.4415



3.8101, 0.2520, 0.4271



# Inverse Universe

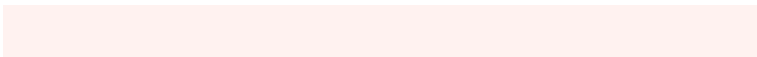
The Inverse Universe completely reimagines the original color for something new.



90.1309, 0.3196, 0.3242



88.3908, 0.3209, 0.3233



91.3178, 0.3225, 0.3315



18.7159, 0.3217, 0.3228



11.4729, 0.5652, 0.2887

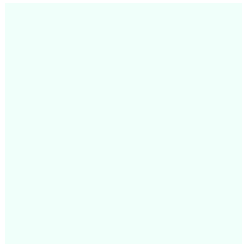


1.1363, 0.5334, 0.2712



# Previews

## White Background



This preview shows how the Yxy color 96.9474, 0.3063, 0.3339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

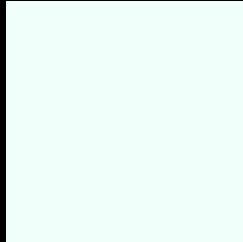
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.9474, 0.3063, 0.3339 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

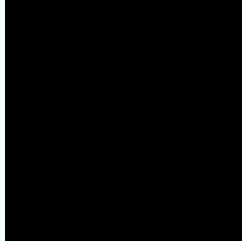
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.9474, 0.3063, 0.3339**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.9474, 0.3063, 0.3339.

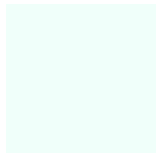


This preview shows how white text looks on a background with the Yxy color 96.9474, 0.3063, 0.3339.

# 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

96.9474, 0.3063, 0.3339



### Protanopia

97.0939, 0.3164, 0.3309

### Deuteranopia

96.6595, 0.3147, 0.3271

## **Tritanopia**

96.5384, 0.3098, 0.3252

# Trichromacy



**Original Color**

96.9474, 0.3063, 0.3339

**Protanomaly**

96.7844, 0.3132, 0.3319

**Deuteranomaly**

96.9098, 0.3120, 0.3300

**Tritanomaly**

96.3055, 0.3084, 0.3280

# Monochromacy



**Original Color**

96.9474, 0.3063, 0.3339

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

96.1158, 0.3101, 0.3309

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.9474, 0.3063, 0.3339 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(240, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 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(240, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 96.9474, 0.3063, 0.3339 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(240, 255, 250) }
```

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

```
.border{ border-color:rgb(240, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.9474, 0.3063, 0.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 250) }
```

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

```
.background{ background-color: rgb(240,  
255, 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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