

# Converting Colors

$Y_{xy}(100.0000, 0.3053, 0.3386)$

Have a look what the booklet for  
Yxy(100.0000, 0.3053, 0.3386)  
contains.

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# Color

**Yxy(96.7728, 0.3057, 0.3339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFFFA
RGB	239, 255, 250
RGB Percent	94%, 100%, 98%
CMY	0.0629, 0.0000, 0.0196
CMYK	0.06, 0.00, 0.02, 0.00
HSL	161°, 100%, 97%
HSV	161°, 6%, 100%
XYZ	88.5997, 96.7728, 104.4532
YIQ	249.6460, -7.9310, -4.9470

# Conversions

## Conversions Part 2

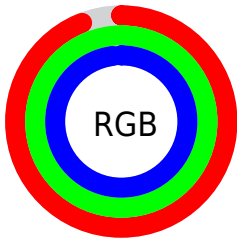
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 248, 255
Decimal	15728634
CIE Lab	98.74, -6.13, 0.57
CIE LCh	99, 6.160, 174.645
Yxy	96.7728, 0.3057, 0.3339
Android (android.graphics.Color)	4293918714 (0xFFEFFFFFA)
YUV	249.6460, 0.1745, -9.3365
Hunter-Lab	98.3732, -11.3872, 5.9068

# Details

The Yxy color 96.7728, 0.3057, 0.3339 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.4937, 0.3203, 0.3242, and the grayscale version is 95.2814, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.3505, 0.3039, 0.3340 is the 20% darker color. If you saturate the color by 10%, you get 92.1485, 0.2949, 0.3423, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

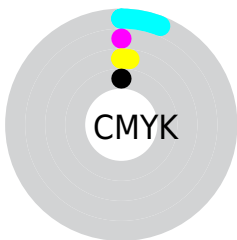
# Distribution



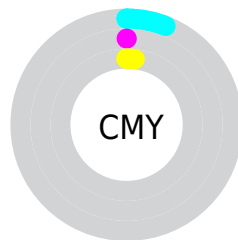
- Red (94%)
- Green (100%)
- Blue (98%)



- Red (94%)
- Yellow (97%)
- 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 96.7728, 0.3057, 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 96.7728, 0.3057, 0.3339 by changing the saturation by 10% instead.




 96.7728, 0.3057,  
0.3339

 96.7728, 0.3057,  
0.3339


549.8250, 0.3088,  
0.3318

 73.6114, 0.3050,  
0.3344

156.7115, 0.3067,  
0.3332

 54.4760, 0.3042,  
0.3349


194.2576, 0.3072,  
0.3329

 38.9824, 0.3032,  
0.3356


237.3674, 0.3075,  
0.3326

 26.7460, 0.3019,  
0.3365

286.4252, 0.3078,  
0.3324

 17.3826, 0.3003,  
0.3377

341.8155, 0.3081,  
0.3322

 10.5076, 0.2980,  
0.3393

403.9226, 0.3084,

 5.7368, 0.2947,

0.3320

0.3416

473.1310, 0.3086,  
0.3319

■ 2.6857, 0.2895,  
0.3453

■ 0.9699, 0.2795,  
0.3522

■ 96.7728, 0.3057,  
0.3339

■ 96.7728, 0.3057,  
0.3339

■ 92.1485, 0.2949,  
0.3423

100.0000, 0.3127,  
0.3290

■ 88.1530, 0.2846,  
0.3516

■ 84.7500, 0.2753,  
0.3617

■ 81.9091, 0.2672,  
0.3725

■ 79.5973, 0.2607,  
0.3839

■ 77.7778, 0.2559,  
0.3957

■ 76.4090, 0.2532,  
0.4078

■ 75.4424, 0.2524,  
0.4198

■ 74.8174, 0.2537,  
0.4317

# Harmonies

## Analogous

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



96.7728, 0.3122, 0.3387



96.7728, 0.3057, 0.3339



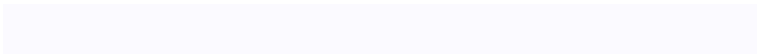
96.7728, 0.3011, 0.3278

# Triad

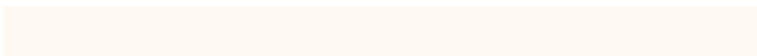
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.7728, 0.3057, 0.3339



96.7728, 0.3065, 0.3175



96.7728, 0.3260, 0.3357

# Complementary

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



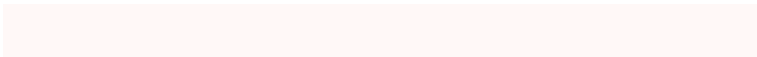
96.7728, 0.3057, 0.3339



89.4937, 0.3203, 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.



96.7728, 0.3245, 0.3300



96.7728, 0.3057, 0.3339



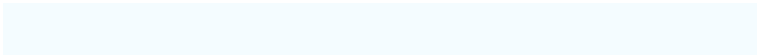
96.7728, 0.3132, 0.3196

# Square

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



96.7728, 0.3057, 0.3339



96.7728, 0.3016, 0.3184



96.7728, 0.3197, 0.3242



96.7728, 0.3239, 0.3396

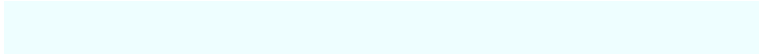


# Rectangle

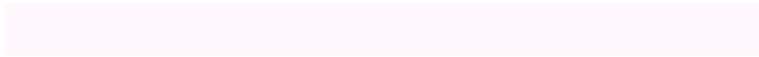
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



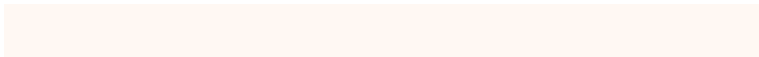
96.7728, 0.3057, 0.3339



96.7728, 0.2998, 0.3239



96.7728, 0.3197, 0.3242



96.7728, 0.3259, 0.3339

# Sweetspot

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



96.7648, 0.3057, 0.3339



98.9437, 0.3105, 0.3305



96.9884, 0.3151, 0.3448



21.1891, 0.3106, 0.3304



0.0000, 0.0000, 0.0000

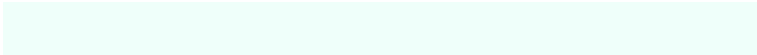


21.4041, 0.3127, 0.3290



# Same Dimension

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



96.7648, 0.3057, 0.3339



95.9318, 0.3038, 0.3353



95.2196, 0.3029, 0.3261



20.3795, 0.3022, 0.3365



39.0286, 0.2539, 0.4341



3.8198, 0.2502, 0.4206



# Inverse Universe

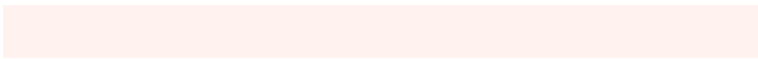
The Inverse Universe completely reimagines the original color for something new.



89.4937, 0.3203, 0.3242



86.7959, 0.3225, 0.3228



90.9306, 0.3231, 0.3319



18.0802, 0.3245, 0.3216



11.4303, 0.5728, 0.2929

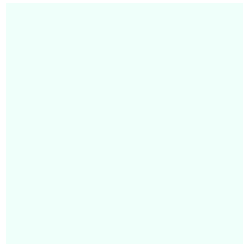


1.1316, 0.5408, 0.2753



# Previews

## White Background



This preview shows how the Yxy color 96.7728, 0.3057, 0.3339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

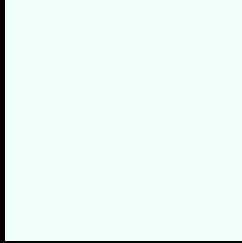
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.7728, 0.3057, 0.3339 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

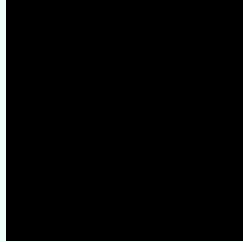
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.7728, 0.3057, 0.3339**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.7728, 0.3057, 0.3339.

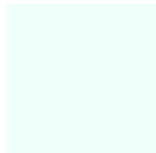


This preview shows how white text looks on a background with the Yxy color 96.7728, 0.3057, 0.3339.

# 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

96.7728, 0.3057, 0.3339



### Protanopia

96.4085, 0.3171, 0.3309

### Deuteranopia

96.5962, 0.3153, 0.3281

## Tritanopia

96.5384, 0.3098, 0.3252

# Trichromacy



**Original Color**

96.7728, 0.3057, 0.3339

**Protanomaly**

96.6001, 0.3126, 0.3319

**Deuteranomaly**

96.7256, 0.3114, 0.3300

**Tritanomaly**

96.3055, 0.3084, 0.3280

# Monochromacy



**Original Color**

96.7728, 0.3057, 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  $Yxy$  96.7728, 0.3057, 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(239, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 96.7728, 0.3057, 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(239, 255, 250) }
```

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

```
.border{ border-color:rgb(239, 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(239, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.7728, 0.3057, 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(239, 255, 250) }
```

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

```
.background{ background-color: rgb(239,  
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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