

# Converting Colors

$Y_{xy}(100.0000, 0.3046, 0.3393)$

Have a look what the booklet for  
Yxy(100.0000, 0.3046, 0.3393)  
contains.

<b>Yxy(96.4267, 0.3045, 0.3339)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(96.4267, 0.3045, 0.3339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFFFA
RGB	237, 255, 250
RGB Percent	93%, 100%, 98%
CMY	0.0707, 0.0000, 0.0196
CMYK	0.07, 0.00, 0.02, 0.00
HSL	163°, 100%, 96%
HSV	163°, 7%, 100%
XYZ	87.9363, 96.4267, 104.4262
YIQ	249.0480, -9.1230, -5.3710

# Conversions

## Conversions Part 2

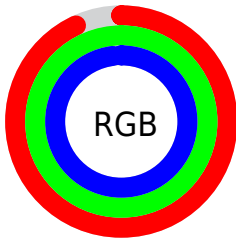
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 247, 255
Decimal	15597562
CIE Lab	98.60, -6.77, 0.36
CIE LCh	99, 6.775, 176.990
Yxy	96.4267, 0.3045, 0.3339
Android (android.graphics.Color)	4293787642 (0xFFEDFFFA)
YUV	249.0480, 0.4693, -10.5661
Hunter-Lab	98.1971, -11.9967, 5.6870

# Details

The Yxy color 96.4267, 0.3045, 0.3339 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.2268, 0.3216, 0.3242, and the grayscale version is 94.7700, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.1070, 0.3024, 0.3340 is the 20% darker color. If you saturate the color by 10%, you get 91.9079, 0.2932, 0.3414, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

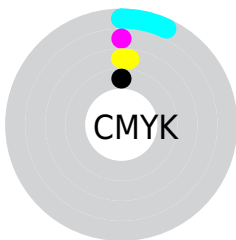
# Distribution



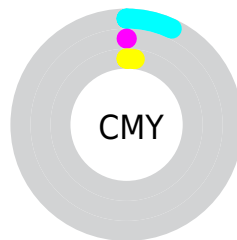
- Red (93%)
- Green (100%)
- Blue (98%)



- Red (93%)
- Yellow (97%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.4267, 0.3045, 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 96.4267, 0.3045, 0.3339 by changing the saturation by 10% instead.




 96.4267, 0.3045,  
0.3339

 96.4267, 0.3045,  
0.3339

548.7224, 0.3081,  
0.3318

 73.3230, 0.3037,  
0.3344


156.2342, 0.3057,  
0.3332

 54.2401, 0.3028,  
0.3349


193.7067, 0.3062,  
0.3329

 38.7937, 0.3016,  
0.3356


236.7377, 0.3066,  
0.3326

 26.5992, 0.3001,  
0.3365

285.7115, 0.3070,  
0.3324

 17.2725, 0.2981,  
0.3377

341.0124, 0.3073,  
0.3322

 10.4289, 0.2955,  
0.3393

403.0250, 0.3076,

 5.6843, 0.2916,

0.3320

0.3416

472.1335, 0.3079,  
0.3319

■ 2.6541, 0.2855,  
0.3453

■ 0.9539, 0.2734,  
0.3524

■ 96.4267, 0.3045,  
0.3339

■ 96.4267, 0.3045,  
0.3339

■ 91.9079, 0.2932,  
0.3414

100.0000, 0.3127,  
0.3290

■ 88.0062, 0.2827,  
0.3497


■ 84.6904, 0.2731,  
0.3587


■ 81.9303, 0.2647,  
0.3683

 79.6925, 0.2580,  
0.3783

 77.9400, 0.2531,  
0.3887

 76.6308, 0.2502,  
0.3993

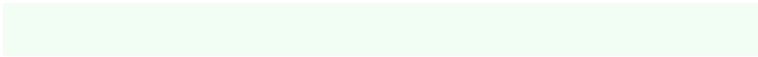
 75.7159, 0.2494,  
0.4099

 75.1324, 0.2504,  
0.4203

# Harmonies

## Analogous

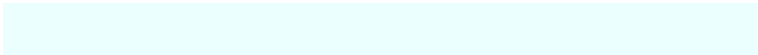
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.4267, 0.3115, 0.3393



96.4267, 0.3045, 0.3339



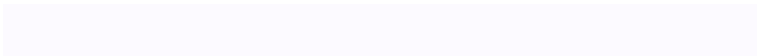
96.4267, 0.2997, 0.3272

# Triad

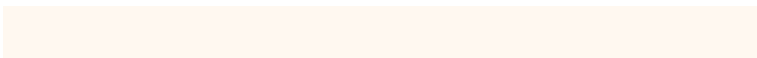
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.4267, 0.3045, 0.3339



96.4267, 0.3064, 0.3165



96.4267, 0.3273, 0.3368

# Complementary

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



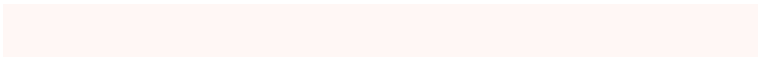
96.4267, 0.3045, 0.3339



88.2268, 0.3216, 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.



96.4267, 0.3259, 0.3306



96.4267, 0.3045, 0.3339



96.4267, 0.3138, 0.3190

# Square

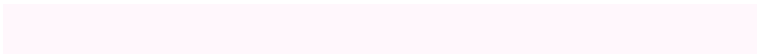
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



96.4267, 0.3045, 0.3339



96.4267, 0.3008, 0.3172



96.4267, 0.3209, 0.3242



96.4267, 0.3247, 0.3409

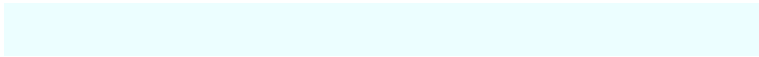


# Rectangle

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



96.4267, 0.3045, 0.3339



96.4267, 0.2984, 0.3229



96.4267, 0.3209, 0.3242



96.4267, 0.3273, 0.3349

# Sweetspot

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



96.4241, 0.3045, 0.3339



98.9549, 0.3104, 0.3303



96.5259, 0.3151, 0.3468



21.1914, 0.3105, 0.3303



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

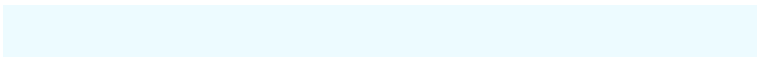
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.4241, 0.3045, 0.3339



95.9756, 0.3034, 0.3346



94.2757, 0.3017, 0.3251



20.3906, 0.3017, 0.3357



39.2138, 0.2505, 0.4217



3.8366, 0.2472, 0.4097



# Inverse Universe

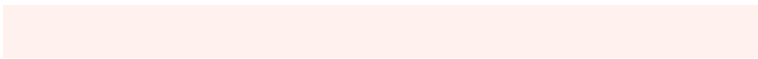
The Inverse Universe completely reimagines the original color for something new.



88.2268, 0.3216, 0.3242



86.7540, 0.3229, 0.3235



90.2162, 0.3245, 0.3328



18.0697, 0.3250, 0.3224



11.3656, 0.5848, 0.2995

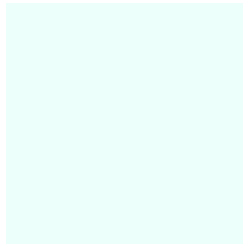


1.1242, 0.5529, 0.2819



# Previews

## White Background



This preview shows how the Yxy color 96.4267, 0.3045, 0.3339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

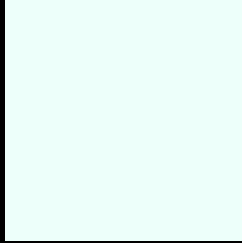
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.4267, 0.3045, 0.3339 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

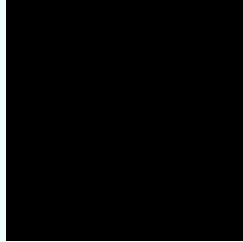
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

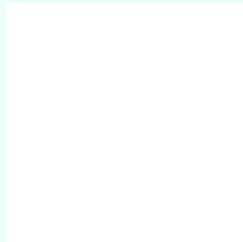
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 96.4267, 0.3045, 0.3339**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.4267, 0.3045, 0.3339.

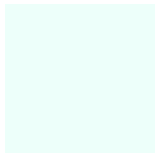


This preview shows how white text looks on a background with the Yxy color 96.4267, 0.3045, 0.3339.

# 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

96.4267, 0.3045, 0.3339



### Protanopia

96.4085, 0.3171, 0.3309

### Deuteranopia

95.9764, 0.3153, 0.3271

## **Tritanopia**

96.3541, 0.3091, 0.3251

# Trichromacy



**Original Color**

96.4267, 0.3045, 0.3339

**Protanomaly**

96.4168, 0.3120, 0.3319

**Deuteranomaly**

95.9159, 0.3108, 0.3290

**Tritanomaly**

96.1251, 0.3078, 0.3280

# Monochromacy



**Original Color**

96.4267, 0.3045, 0.3339

**Achromatopsia**

94.7307, 0.3127, 0.3290

**Achromatomaly**

95.2464, 0.3101, 0.3309

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.4267, 0.3045, 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(237, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 96.4267, 0.3045, 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(237, 255, 250) }
```

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

```
.border{ border-color:rgb(237, 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(237, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.4267, 0.3045, 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(237, 255, 250) }
```

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

```
.background{ background-color: rgb(237,  
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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