

# Converting Colors

$Yxy(99.3977, 0.3065, 0.3431)$

Have a look what the booklet for  
Yxy(99.3977, 0.3065, 0.3431)  
contains.

<b>Yxy(96.1783, 0.3068, 0.3379)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(96.1783, 0.3068, 0.3379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFFF6
RGB	237, 255, 246
RGB Percent	93%, 100%, 96%
CMY	0.0704, 0.0000, 0.0354
CMYK	0.07, 0.00, 0.04, 0.00
HSL	150°, 100%, 96%
HSV	150°, 7%, 100%
XYZ	87.3261, 96.1783, 101.1310
YIQ	248.5920, -7.8390, -6.6150

# Conversions

## Conversions Part 2

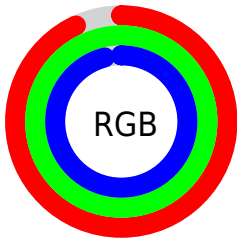
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 249, 255
Decimal	15597558
CIE Lab	98.50, -7.47, 2.28
CIE LCh	99, 7.811, 163.008
Yxy	96.1783, 0.3068, 0.3379
Android (android.graphics.Color)	4293787638 (0xFFEDFFF6)
YUV	248.5920, -1.2779, -10.1662
Hunter-Lab	98.0705, -12.6795, 7.5092

# Details

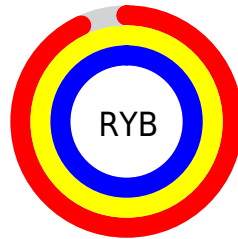
The Yxy color 96.1783, 0.3068, 0.3379 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.5088, 0.3191, 0.3203, and the grayscale version is 94.4010, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.9296, 0.3052, 0.3391 is the 20% darker color. If you saturate the color by 10%, you get 91.3402, 0.2986, 0.3518, and if you desaturate by 10%, it is 99.9985, 0.3127, 0.3290.

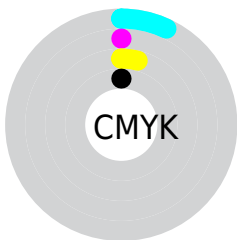
# Distribution



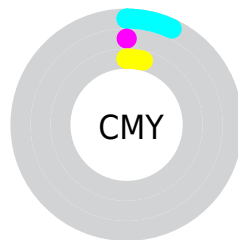
- Red (93%)
- Green (100%)
- Blue (96%)



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



- Cyan (7%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.1783, 0.3068, 0.3379 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 96.1783, 0.3068, 0.3379 by changing the saturation by 10% instead.




 96.1783, 0.3068,  
0.3379

 96.1783, 0.3068,  
0.3379


547.9303, 0.3094,  
0.3340

 73.1161, 0.3062,  
0.3388


155.8915, 0.3077,  
0.3366

 54.0709, 0.3055,  
0.3398


193.3112, 0.3080,  
0.3360

 38.6583, 0.3047,  
0.3411


236.2855, 0.3083,  
0.3356

 26.4940, 0.3036,  
0.3428

285.1989, 0.3086,  
0.3352

 17.1936, 0.3021,  
0.3449

340.4356, 0.3088,  
0.3348

 10.3726, 0.3002,  
0.3479

402.3802, 0.3091,

 5.6467, 0.2973,

0.3345

0.3523

471.4170, 0.3093,  
0.3342

■ 2.6315, 0.2927,  
0.3594

■ 0.9425, 0.2827,  
0.3740

■ 96.1783, 0.3068,  
0.3379

■ 96.1783, 0.3068,  
0.3379

■ 91.3402, 0.2986,  
0.3518

99.9985, 0.3127,  
0.3290

■ 87.1491, 0.2907,  
0.3673

■ 83.5800, 0.2836,  
0.3842

■ 80.6013, 0.2775,  
0.4024

■ 78.1788, 0.2728,  
0.4217

■ 76.2745, 0.2697,  
0.4416

■ 74.8454, 0.2687,  
0.4616

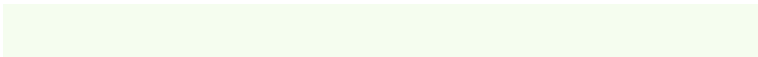
■ 73.8411, 0.2696,  
0.4811

■ 73.1977, 0.2725,  
0.4996

# Harmonies

## Analogous

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



96.1783, 0.3154, 0.3428



96.1783, 0.3068, 0.3379



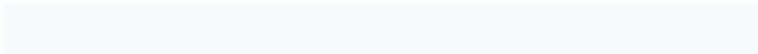
96.1783, 0.2999, 0.3305

# Triad

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



96.1783, 0.3068, 0.3379



96.1783, 0.3021, 0.3144



96.1783, 0.3294, 0.3348

# Complementary

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



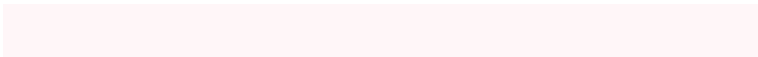
96.1783, 0.3068, 0.3379



88.5088, 0.3191, 0.3203

# 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.



96.1783, 0.3257, 0.3273



96.1783, 0.3068, 0.3379



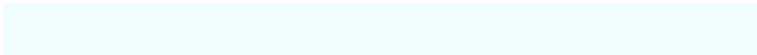
96.1783, 0.3099, 0.3157

# Square

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



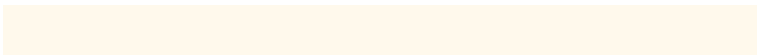
96.1783, 0.3068, 0.3379



96.1783, 0.2971, 0.3170



96.1783, 0.3185, 0.3204



96.1783, 0.3285, 0.3409



# Rectangle

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



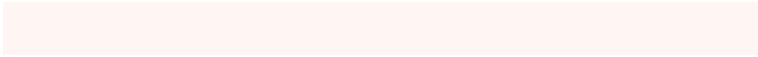
96.1783, 0.3068, 0.3379



96.1783, 0.2971, 0.3253



96.1783, 0.3185, 0.3204



96.1783, 0.3286, 0.3324

# Sweetspot

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



96.1824, 0.3068, 0.3379



98.8816, 0.3110, 0.3315



97.2857, 0.3177, 0.3466



21.1765, 0.3111, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

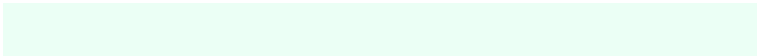


# Same Dimension

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



96.1824, 0.3068, 0.3379



95.6917, 0.3060, 0.3392



96.7305, 0.3019, 0.3293



20.3190, 0.3047, 0.3412



38.2003, 0.2728, 0.5019



3.7415, 0.2670, 0.4810



# Inverse Universe

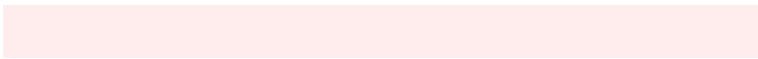
The Inverse Universe completely reimagines the original color for something new.



88.5088, 0.3191, 0.3203



87.0311, 0.3200, 0.3190



87.9855, 0.3246, 0.3287



18.1393, 0.3215, 0.3171



11.9545, 0.4955, 0.2503

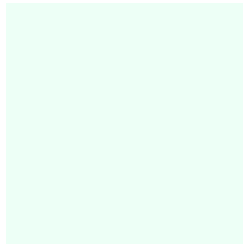


1.1860, 0.4702, 0.2364



# Previews

## White Background



This preview shows how the Yxy color 96.1783, 0.3068, 0.3379 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

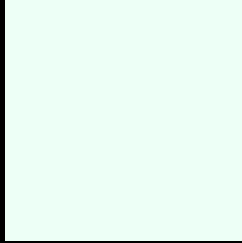
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.1783, 0.3068, 0.3379 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

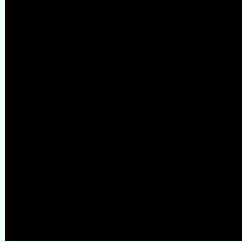
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

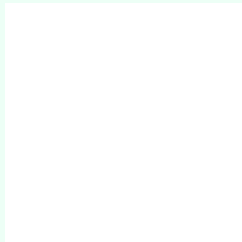
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 96.1783, 0.3068, 0.3379**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.1783, 0.3068, 0.3379.

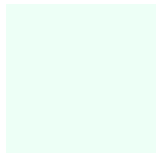


This preview shows how white text looks on a background with the Yxy color 96.1783, 0.3068, 0.3379.

# Color Blindness Simulation

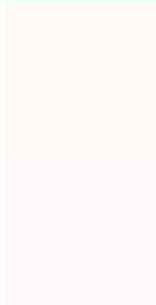
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

96.1783, 0.3068, 0.3379



### Protanopia

96.2238, 0.3188, 0.3338

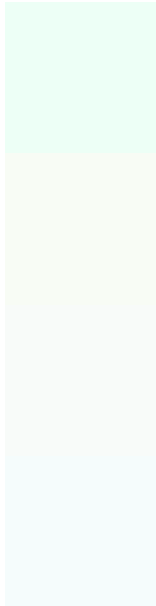
### Deuteranopia

95.9135, 0.3159, 0.3281

## **Tritanopia**

96.3541, 0.3091, 0.3251

# Trichromacy



## Original Color

96.1783, 0.3068, 0.3379

## Protanomaly

96.1698, 0.3143, 0.3358

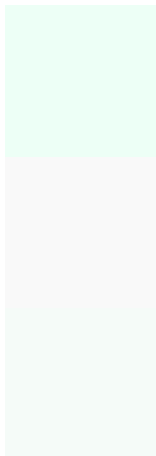
## Deuteranomaly

95.7904, 0.3120, 0.3309

## Tritanomaly

96.0616, 0.3084, 0.3290

# Monochromacy



## Original Color

96.1783, 0.3068, 0.3379

## Achromatopsia

94.7307, 0.3127, 0.3290

## Achromatomaly

95.1841, 0.3107, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.1783, 0.3068, 0.3379 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 96.1783, 0.3068, 0.3379 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, 246) }
```

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

```
.border{ border-color:rgb(237, 255, 246) }
```

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, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 255, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 255, 246); box-shadow:4px 4px 4px 4px rgb(237, 255, 246) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.1783, 0.3068, 0.3379 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, 246) }
```

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

```
.background{ background-color: rgb(237,  
255, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor