

# Converting Colors

$Y_{xy}(100.0000, 0.3048, 0.3416)$

Have a look what the booklet for  
Yxy(100.0000, 0.3048, 0.3416)  
contains.

<b>Yxy(96.1302, 0.3050, 0.3359)</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(96.1302, 0.3050, 0.3359)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECFFF8
RGB	236, 255, 248
RGB Percent	93%, 100%, 97%
CMY	0.0747, 0.0000, 0.0274
CMYK	0.07, 0.00, 0.03, 0.00
HSL	158°, 100%, 96%
HSV	158°, 7%, 100%
XYZ	87.2870, 96.1302, 102.7697
YIQ	248.5210, -9.0770, -6.2050

# Conversions

## Conversions Part 2

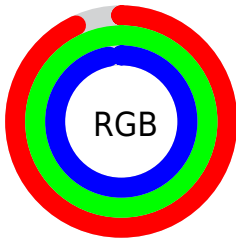
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 248, 255
Decimal	15532024
CIE Lab	98.48, -7.46, 1.20
CIE LCh	98, 7.557, 170.852
Yxy	96.1302, 0.3050, 0.3359
Android (android.graphics.Color)	4293722104 (0xFFE08080)
YUV	248.5210, -0.2569, -10.9809
Hunter-Lab	98.0460, -12.6680, 6.4857

# Details

The Yxy color 96.1302, 0.3050, 0.3359 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.6976, 0.3211, 0.3222, and the grayscale version is 94.3164, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.8972, 0.3030, 0.3366 is the 20% darker color. If you saturate the color by 10%, you get 91.5011, 0.2950, 0.3460, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

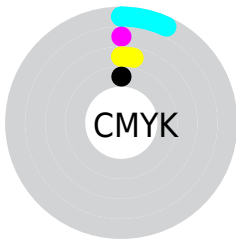
# Distribution



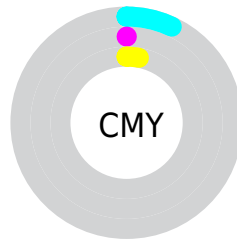
- Red (93%)
- Green (100%)
- Blue (97%)



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



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.1302, 0.3050, 0.3359 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 96.1302, 0.3050, 0.3359 by changing the saturation by 10% instead.




 96.1302, 0.3050,  
0.3359

 96.1302, 0.3050,  
0.3359


547.7769, 0.3084,  
0.3329

 73.0760, 0.3043,  
0.3366

155.8251, 0.3062,  
0.3349

 54.0381, 0.3034,  
0.3374

193.2346, 0.3066,  
0.3345

 38.6321, 0.3022,  
0.3384


236.1980, 0.3070,  
0.3341

 26.4737, 0.3008,  
0.3396

285.0996, 0.3074,  
0.3338

 17.1783, 0.2990,  
0.3413

340.3239, 0.3077,  
0.3335

 10.3617, 0.2964,  
0.3436

402.2553, 0.3079,

 5.6394, 0.2928,

0.3333

0.3470

471.2782, 0.3082,  
0.3331

■ 2.6271, 0.2869,  
0.3523

■ 0.9403, 0.2744,  
0.3631

■ 96.1302, 0.3050,  
0.3359

■ 96.1302, 0.3050,  
0.3359


■ 91.5011, 0.2950,  
0.3460


100.0000, 0.3127,  
0.3290

■ 87.5031, 0.2855,  
0.3572


■ 84.1020, 0.2769,  
0.3693


■ 81.2669, 0.2695,  
0.3823

 78.9642, 0.2636,  
0.3960

 77.1565, 0.2596,  
0.4102

 75.8012, 0.2575,  
0.4247

 74.8486, 0.2575,  
0.4390

 74.2337, 0.2595,  
0.4530

# Harmonies

## Analogous

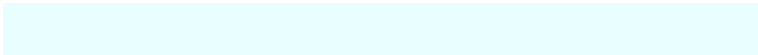
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.1302, 0.3131, 0.3414



96.1302, 0.3050, 0.3359



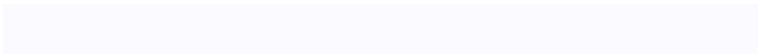
96.1302, 0.2990, 0.3285

# Triad

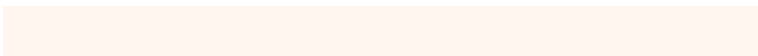
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.1302, 0.3050, 0.3359



96.1302, 0.3042, 0.3149



96.1302, 0.3291, 0.3364

# Complementary

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



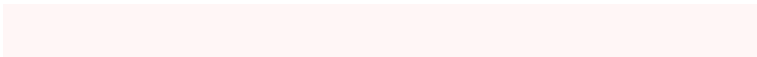
96.1302, 0.3050, 0.3359



87.6976, 0.3211, 0.3222

# 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.



96.1302, 0.3266, 0.3293



96.1302, 0.3050, 0.3359



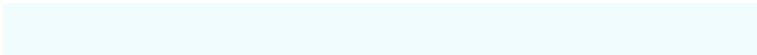
96.1302, 0.3122, 0.3170

# Square

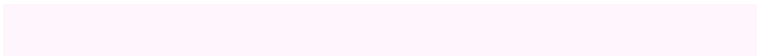
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



96.1302, 0.3050, 0.3359



96.1302, 0.2985, 0.3164



96.1302, 0.3204, 0.3223



96.1302, 0.3271, 0.3416

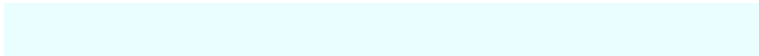


# Rectangle

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



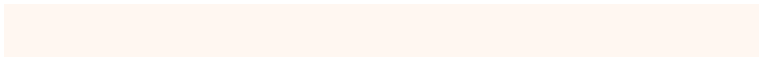
96.1302, 0.3050, 0.3359



96.1302, 0.2970, 0.3236



96.1302, 0.3204, 0.3223



96.1302, 0.3287, 0.3341

# Sweetspot

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



96.1246, 0.3050, 0.3359



98.9255, 0.3106, 0.3308



96.6750, 0.3164, 0.3478



21.1854, 0.3107, 0.3307



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

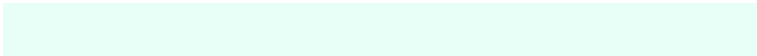


# Same Dimension

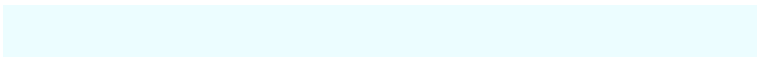
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.1246, 0.3050, 0.3359



95.3734, 0.3034, 0.3374



95.1576, 0.3011, 0.3268



20.3617, 0.3029, 0.3379



38.7524, 0.2595, 0.4543



3.7942, 0.2551, 0.4383



# Inverse Universe

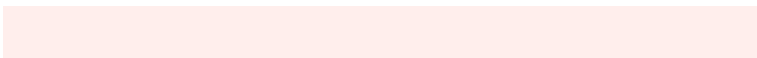
The Inverse Universe completely reimagines the original color for something new.



87.6976, 0.3211, 0.3222



85.3209, 0.3230, 0.3208



88.5702, 0.3254, 0.3312



18.0973, 0.3236, 0.3203



11.5536, 0.5517, 0.2813

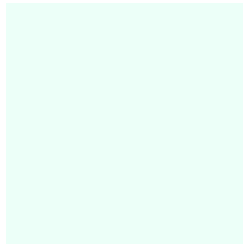


1.1451, 0.5205, 0.2641



# Previews

## White Background



This preview shows how the Yxy color 96.1302, 0.3050, 0.3359 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

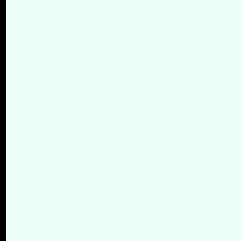
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.1302, 0.3050, 0.3359 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

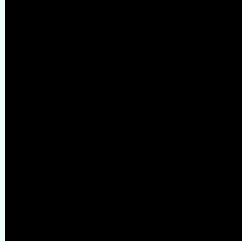
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

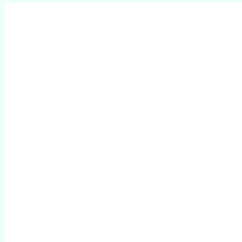
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 96.1302, 0.3050, 0.3359**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.1302, 0.3050, 0.3359.



This preview shows how white text looks on a background with the Yxy color 96.1302, 0.3050, 0.3359.

# Color Blindness Simulation

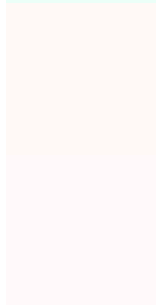
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

96.1302, 0.3050, 0.3359



### Protanopia

95.6652, 0.3183, 0.3319

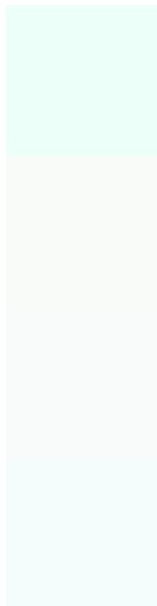
### Deuteranopia

95.9135, 0.3159, 0.3281

## **Tritanopia**

96.1708, 0.3085, 0.3251

# Trichromacy



## Original Color

96.1302, 0.3050, 0.3359

## Protanomaly

95.6662, 0.3132, 0.3329

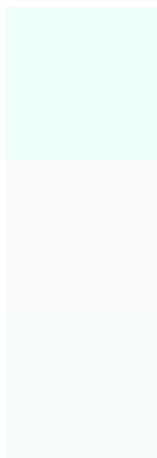
## Deuteranomaly

95.7904, 0.3120, 0.3309

## Tritanomaly

95.8822, 0.3077, 0.3290

# Monochromacy



## Original Color

96.1302, 0.3050, 0.3359

## Achromatopsia

94.7307, 0.3127, 0.3290

## Achromatomaly

95.0670, 0.3095, 0.3309

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.1302, 0.3050, 0.3359 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(236, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 248)  
}
```

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(236, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 96.1302, 0.3050, 0.3359 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(236, 255, 248) }
```

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

```
.border{ border-color:rgb(236, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.1302, 0.3050, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 248) }
```

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

```
.background{ background-color: rgb(236,  
255, 248) }
```

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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