

Converting Colors

$Yxy(96.4707, 0.3074, 0.3373)$

Have a look what the booklet for
Yxy(96.4707, 0.3074, 0.3373)
contains.

Yxy(96.5861, 0.3074, 0.3369)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(96.5861, 0.3074, 0.3369)

Conversions

Conversions Part 1

Format	Color
Hex	EFFFF7
RGB	239, 255, 247
RGB Percent	94%, 100%, 97%
CMY	0.0630, 0.0000, 0.0315
CMYK	0.06, 0.00, 0.03, 0.00
HSL	150°, 100%, 97%
HSV	150°, 6%, 100%
XYZ	88.1287, 96.5861, 101.9759
YIQ	249.3040, -6.9680, -5.8800

Conversions

Conversions Part 2

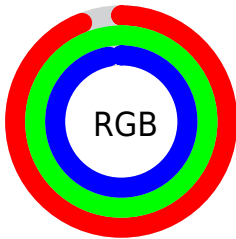
Format	Color
R _Y B	239, 250, 255
Decimal	15728631
CIE Lab	98.66, -6.68, 2.02
CIE LCh	99, 6.981, 163.185
Yxy	96.5861, 0.3074, 0.3369
Android (android.graphics.Color)	4293918711 (0xFFEFFFF7)
YUV	249.3040, -1.1359, -9.0366
Hunter-Lab	98.2782, -11.9212, 7.2740

Details

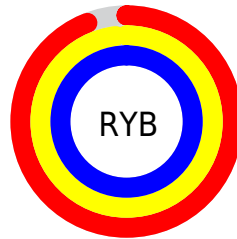
The Yxy color 96.5861, 0.3074, 0.3369 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.6756, 0.3184, 0.3213, and the grayscale version is 94.9919, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.2170, 0.3061, 0.3378 is the 20% darker color. If you saturate the color by 10%, you get 91.6874, 0.2991, 0.3506, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

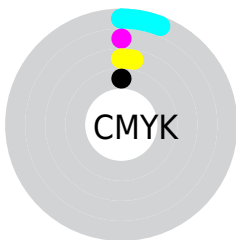
Distribution



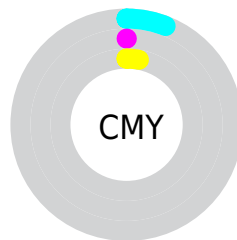
- Red (94%)
- Green (100%)
- Blue (97%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.5861, 0.3074, 0.3369 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 96.5861, 0.3074, 0.3369 by changing the saturation by 10% instead.

 96.5861, 0.3074,
0.3369

 96.5861, 0.3074,
0.3369

549.2303, 0.3098,
0.3334

 73.4558, 0.3069,
0.3377

156.4540, 0.3082,
0.3357

 54.3487, 0.3063,
0.3386


193.9605, 0.3085,
0.3353

 38.8805, 0.3055,
0.3397


237.0277, 0.3088,
0.3348

 26.6668, 0.3045,
0.3412

286.0402, 0.3090,
0.3345

 17.3231, 0.3032,
0.3431

341.3823, 0.3092,
0.3342

 10.4652, 0.3015,
0.3458

403.4385, 0.3094,

 5.7084, 0.2989,

0.3339

0.3496

472.5930, 0.3096,
0.3336

■ 2.6686, 0.2948,
0.3558

■ 0.9613, 0.2865,
0.3679

■ 96.5861, 0.3074,
0.3369

■ 96.5861, 0.3074,
0.3369


■ 91.6874, 0.2991,
0.3506

100.0000, 0.3127,
0.3290

■ 87.4518, 0.2912,
0.3659


■ 83.8398, 0.2840,
0.3826


■ 80.8203, 0.2778,
0.4006

 78.3591, 0.2729,
0.4197

 76.4186, 0.2697,
0.4395

 74.9563, 0.2685,
0.4594

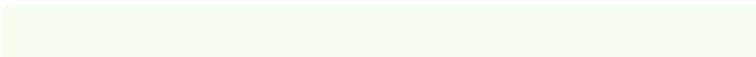
 73.9225, 0.2693,
0.4788

 73.2556, 0.2720,
0.4974

Harmonies

Analogous

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



96.5861, 0.3151, 0.3413



96.5861, 0.3074, 0.3369



96.5861, 0.3012, 0.3303

Triad

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



96.5861, 0.3074, 0.3369



96.5861, 0.3032, 0.3160



96.5861, 0.3276, 0.3342

Complementary

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



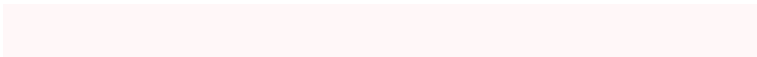
96.5861, 0.3074, 0.3369



89.6756, 0.3184, 0.3213

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.



96.5861, 0.3243, 0.3276



96.5861, 0.3074, 0.3369



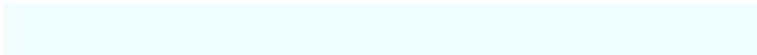
96.5861, 0.3102, 0.3171

Square

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



96.5861, 0.3074, 0.3369



96.5861, 0.2988, 0.3183



96.5861, 0.3180, 0.3213



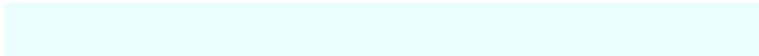
96.5861, 0.3268, 0.3396

Rectangle

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



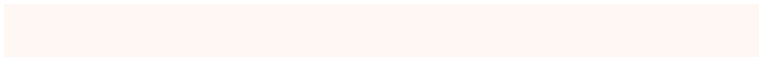
96.5861, 0.3074, 0.3369



96.5861, 0.2987, 0.3257



96.5861, 0.3180, 0.3213



96.5861, 0.3269, 0.3321

Sweetspot

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



96.5757, 0.3074, 0.3369



98.8825, 0.3110, 0.3314



97.5183, 0.3170, 0.3447



21.1766, 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.



96.5757, 0.3074, 0.3369



95.6950, 0.3060, 0.3391



97.0816, 0.3029, 0.3290



20.3198, 0.3047, 0.3411



38.2097, 0.2725, 0.5010



3.7424, 0.2667, 0.4802

Inverse Universe

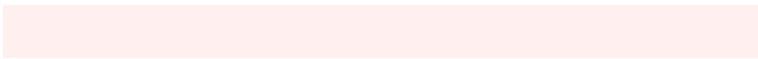
The Inverse Universe completely reimagines the original color for something new.



89.6756, 0.3184, 0.3213



87.0278, 0.3200, 0.3191



89.1911, 0.3234, 0.3290



18.1385, 0.3215, 0.3172



11.9451, 0.4966, 0.2509



1.1851, 0.4711, 0.2369

Previews

White Background



This preview shows how the Yxy color 96.5861, 0.3074, 0.3369 looks on a white background.

Color Contrast Check

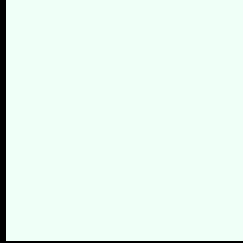
Large Text (above 18pt) WCAG AA × Fail

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 96.5861, 0.3074, 0.3369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

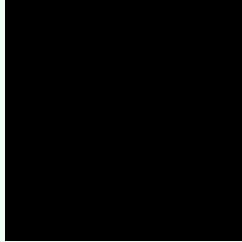
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

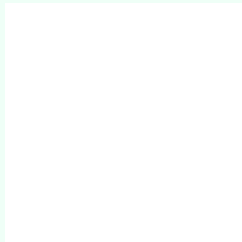
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.5861, 0.3074, 0.3369

Background



This preview shows how black text looks on a background with the Yxy color 96.5861, 0.3074, 0.3369.

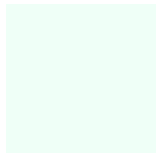


This preview shows how white text looks on a background with the Yxy color 96.5861, 0.3074, 0.3369.

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

96.5861, 0.3074, 0.3369



Protanopia

96.2850, 0.3183, 0.3329

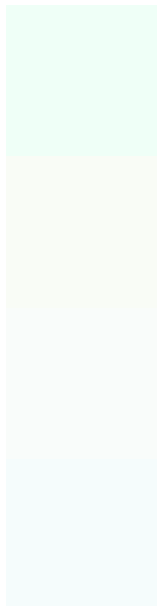
Deuteranopia

96.5962, 0.3153, 0.3281

Tritanopia

96.3541, 0.3091, 0.3251

Trichromacy



Original Color

96.5861, 0.3074, 0.3369

Protanomaly

96.4144, 0.3143, 0.3348

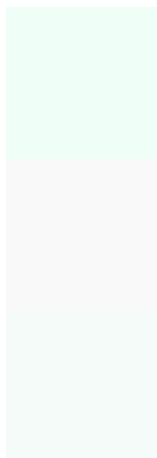
Deuteranomaly

96.6627, 0.3120, 0.3309

Tritanomaly

96.0616, 0.3084, 0.3290

Monochromacy



Original Color

96.5861, 0.3074, 0.3369

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 96.5861, 0.3074, 0.3369 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 247) }
```

Border

The CSS property to change the border of an element to Yxy 96.5861, 0.3074, 0.3369 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, 247) }
```

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

```
.border{ border-color:rgb(239, 255, 247) }
```

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, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 96.5861, 0.3074, 0.3369 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, 247) }
```

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

```
.background{ background-color: rgb(239,  
255, 247) }
```

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