

Converting Colors

$Yxy(93.9774, 0.3001, 0.3399)$

Have a look what the booklet for
Yxy(93.9774, 0.3001, 0.3399)
contains.

| | |
|------------------------------------------------|----|
| Yxy(93.8989, 0.3000, 0.3401) | 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(93.8989, 0.3000, 0.3401)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E0FFF4 |
| RGB | 224, 255, 244 |
| RGB Percent | 88%, 100%, 96% |
| CMY | 0.1216, 0.0000, 0.0430 |
| CMYK | 0.12, 0.00, 0.04, 0.00 |
| HSL | 159°, 100%, 94% |
| HSV | 159°, 12%, 100% |
| XYZ | 82.8276, 93.8989, 99.3655 |
| YIQ | 244.4770, -14.9450, -9.9930 |

Conversions

Conversions Part 2

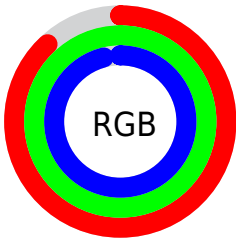
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 224, 243, 255 |
| Decimal | 14745588 |
| CIE Lab | 97.59, -12.03, 1.85 |
| CIE LCh | 98, 12.176, 171.247 |
| Yxy | 93.8989, 0.3000, 0.3401 |
| Android (android.graphics.Color) | 4292935668 (0xFFE0FFF4) |
| YUV | 244.4770, -0.2352, -17.9583 |
| Hunter-Lab | 96.9014, -17.0026, 7.0333 |

Details

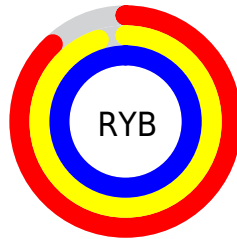
The Yxy color **93.8989, 0.3000, 0.3401** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.5567, 0.3274, 0.3182**, and the grayscale version is **90.8765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.4540, 0.2975, 0.3420** is the 20% darker color. If you saturate the color by 10%, you get **89.5896, 0.2900, 0.3503**, and if you desaturate by 10%, it is **98.8431, 0.3104, 0.3309**.

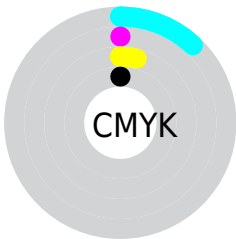
Distribution



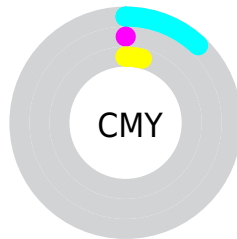
- Red (88%)
- Green (100%)
- Blue (96%)



- Red (88%)
- Yellow (95%)
- Blue (100%)



- Cyan (12%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.8989, 0.3000, 0.3401 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 93.8989, 0.3000, 0.3401 by changing the saturation by 10% instead.

 93.8989, 0.3000,
0.3401

 93.8989, 0.3000,
0.3401


540.6339, 0.3056,
0.3352

 71.2189, 0.2988,
0.3412


152.7425, 0.3019,
0.3384

 52.5208, 0.2973,
0.3425

189.6749, 0.3027,
0.3378

 37.4204, 0.2954,
0.3441

232.1268, 0.3033,
0.3372

 25.5331, 0.2930,
0.3462

280.4827, 0.3039,
0.3367

 16.4747, 0.2899,
0.3490

335.1270, 0.3044,
0.3362

 9.8607, 0.2856,
0.3528

396.4440, 0.3049,

 5.3067, 0.2794,

0.3358

0.3585

464.8182, 0.3053,
0.3355

■ 2.4283, 0.2693,
0.3676

■ 0.8404, 0.2370,
0.3944

■ 93.8989, 0.3000,
0.3401

■ 93.8989, 0.3000,
0.3401

■ 89.5896, 0.2900,
0.3503

■ 98.8431, 0.3104,
0.3309

■ 85.8920, 0.2808,
0.3615

100.0000, 0.3127,
0.3290

■ 82.7752, 0.2726,
0.3736

■ 80.2072, 0.2657,
0.3864

■ 78.1526, 0.2606,
0.3998

■ 76.5719, 0.2573,
0.4136

■ 75.4198, 0.2561,
0.4275

■ 74.6413, 0.2570,
0.4412

■ 74.2286, 0.2588,
0.4517

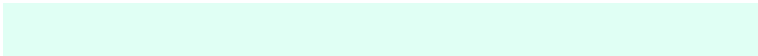
Harmonies

Analogous

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



93.8989, 0.3131, 0.3493



93.8989, 0.3000, 0.3401



93.8989, 0.2905, 0.3279

Triad

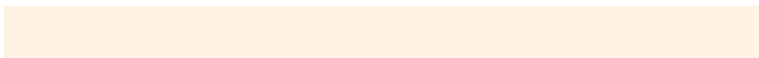
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.8989, 0.3000, 0.3401



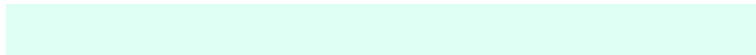
93.8989, 0.2990, 0.3062



93.8989, 0.3394, 0.3409

Complementary

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



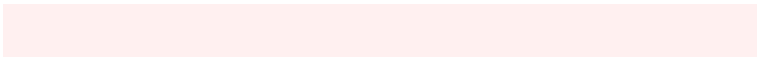
93.8989, 0.3000, 0.3401



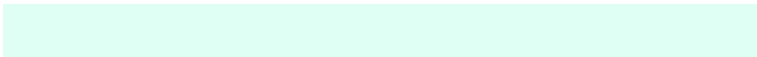
80.5567, 0.3274, 0.3182

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.



93.8989, 0.3355, 0.3295



93.8989, 0.3000, 0.3401



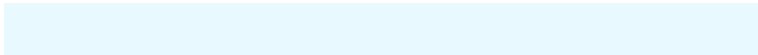
93.8989, 0.3119, 0.3098

Square

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



93.8989, 0.3000, 0.3401



93.8989, 0.2899, 0.3085



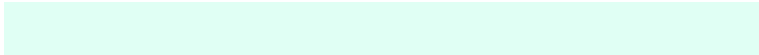
93.8989, 0.3253, 0.3182



93.8989, 0.3359, 0.3495

Rectangle

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



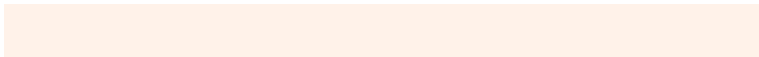
93.8989, 0.3000, 0.3401



93.8989, 0.2873, 0.3199



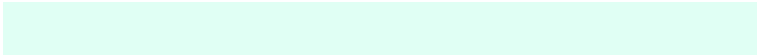
93.8989, 0.3253, 0.3182



93.8989, 0.3389, 0.3373

Sweetspot

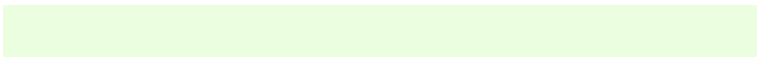
The Sweet Spot groups the original color and five complimentary colors.



93.8974, 0.3000, 0.3401



97.8863, 0.3085, 0.3325



94.6234, 0.3183, 0.3604



20.8691, 0.3077, 0.3332



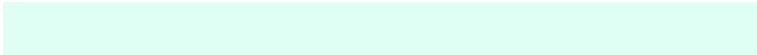
0.0000, 0.0000, 0.0000



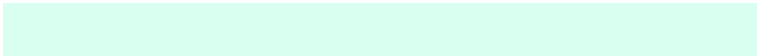
21.4041, 0.3127, 0.3290

Same Dimension

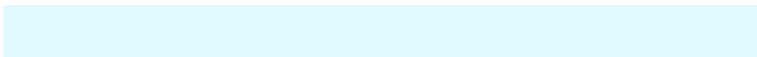
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.8974, 0.3000, 0.3401



92.6123, 0.2971, 0.3429



91.9738, 0.2939, 0.3248



20.3659, 0.3027, 0.3375



38.8155, 0.2582, 0.4495



3.8001, 0.2539, 0.4340

Inverse Universe

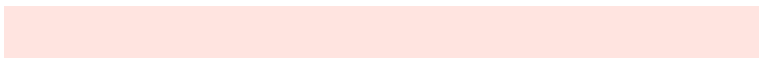
The Inverse Universe completely reimagines the original color for something new.



80.5567, 0.3274, 0.3182



76.4860, 0.3313, 0.3155



82.1919, 0.3343, 0.3332



18.0932, 0.3238, 0.3206



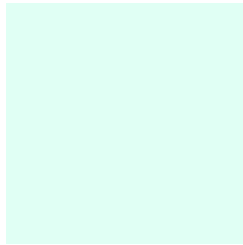
11.5221, 0.5568, 0.2841



1.1417, 0.5254, 0.2668

Previews

White Background



This preview shows how the Yxy color 93.8989, 0.3000, 0.3401 looks on a white background.

Color Contrast Check

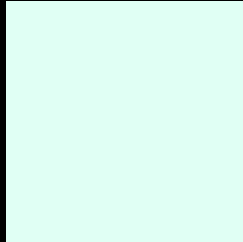
Large Text (above 18pt) WCAG AA × Fail

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 93.8989, 0.3000, 0.3401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

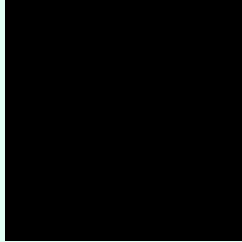
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

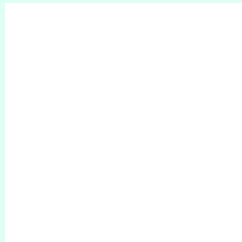
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.8989, 0.3000, 0.3401

Background



This preview shows how black text looks on a background with the Yxy color 93.8989, 0.3000, 0.3401.

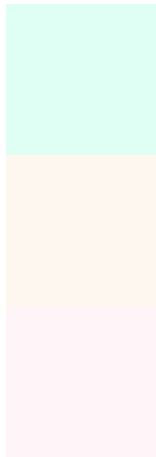


This preview shows how white text looks on a background with the Yxy color 93.8989, 0.3000, 0.3401.

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

93.8989, 0.3000, 0.3401

Protanopia

93.8244, 0.3220, 0.3368

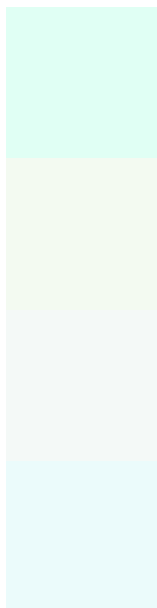
Deuteranopia

93.3421, 0.3174, 0.3261

Tritanopia

93.8486, 0.3049, 0.3231

Trichromacy



Original Color

93.8989, 0.3000, 0.3401

Protanomaly

93.7768, 0.3136, 0.3379

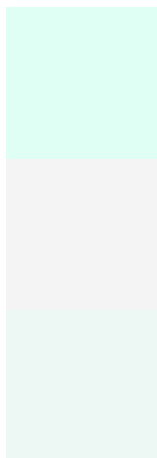
Deuteranomaly

93.6999, 0.3107, 0.3310

Tritanomaly

93.6216, 0.3028, 0.3290

Monochromacy



Original Color

93.8989, 0.3000, 0.3401

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

91.6710, 0.3081, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.8989, 0.3000, 0.3401 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(224, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 244)  
}
```

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(224, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 244) }
```

Border

The CSS property to change the border of an element to Yxy 93.8989, 0.3000, 0.3401 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(224, 255, 244) }
```

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

```
.border{ border-color:rgb(224, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 93.8989, 0.3000, 0.3401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 244) }
```

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

```
.background{ background-color: rgb(224,  
255, 244) }
```

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