

Converting Colors

$Y_{xy}(100.0000, 0.3044, 0.3438)$

Have a look what the booklet for
Yxy(100.0000, 0.3044, 0.3438)
contains.

| | |
|---|----|
| Yxy(95.7278, 0.3044, 0.3369) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(95.7278, 0.3044, 0.3369)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EAFFF7 |
| RGB | 234, 255, 247 |
| RGB Percent | 92%, 100%, 97% |
| CMY | 0.0822, 0.0000, 0.0313 |
| CMYK | 0.08, 0.00, 0.03, 0.00 |
| HSL | 157°, 100%, 96% |
| HSV | 157°, 8%, 100% |
| XYZ | 86.4932, 95.7278, 101.9221 |
| YIQ | 247.8090, -9.9480, -6.9400 |

Conversions

Conversions Part 2

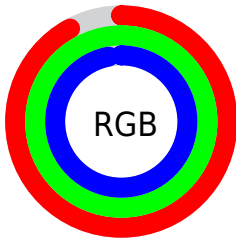
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 234, 247, 255 |
| Decimal | 15400951 |
| CIE Lab | 98.32, -8.25, 1.47 |
| CIE LCh | 98, 8.378, 169.919 |
| Yxy | 95.7278, 0.3044, 0.3369 |
| Android (android.graphics.Color) | 4293591031 (0xFFEAF7) |
| YUV | 247.8090, -0.3988, -12.1105 |
| Hunter-Lab | 97.8406, -13.4232, 6.7251 |

Details

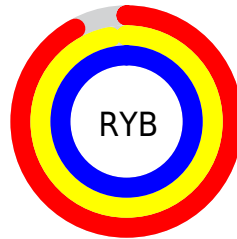
The Yxy color 95.7278, 0.3044, 0.3369 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.5453, 0.3218, 0.3212, and the grayscale version is 93.7238, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.6147, 0.3022, 0.3379 is the 20% darker color. If you saturate the color by 10%, you get 91.1364, 0.2946, 0.3475, and if you desaturate by 10%, it is 99.9948, 0.3127, 0.3290.

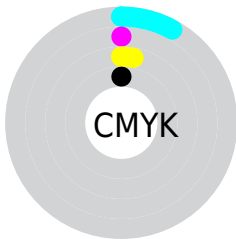
Distribution



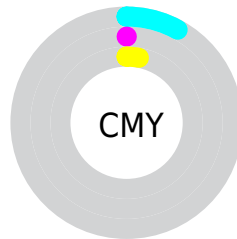
- Red (92%)
- Green (100%)
- Blue (97%)



- Red (92%)
- Yellow (97%)
- Blue (100%)



- Cyan (8%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 95.7278, 0.3044, 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 95.7278, 0.3044, 0.3369 by changing the saturation by 10% instead.


 95.7278, 0.3044,
0.3369

 95.7278, 0.3044,
0.3369


546.4923, 0.3081,
0.3334

 72.7409, 0.3036,
0.3377


155.2697, 0.3056,
0.3357

 53.7641, 0.3026,
0.3386


192.5935, 0.3061,
0.3352

 38.4131, 0.3014,
0.3397


235.4650, 0.3066,
0.3348

 26.3035, 0.2999,
0.3412

284.2686, 0.3069,
0.3345

 17.0508, 0.2979,
0.3431

339.3888, 0.3073,
0.3342

 10.2707, 0.2951,
0.3458

401.2098, 0.3076,

 5.5788, 0.2911,

0.3339

0.3497

470.1162, 0.3078,
0.3336

■ 2.5907, 0.2848,
0.3559

■ 0.9220, 0.2701,
0.3692

■ 95.7278, 0.3044,
0.3369

■ 95.7278, 0.3044,
0.3369

■ 91.1364, 0.2946,
0.3475

99.9948, 0.3127,
0.3290

■ 87.1664, 0.2853,
0.3592

■ 83.7933, 0.2770,
0.3719

■ 80.9858, 0.2698,
0.3855

■ 78.7099, 0.2642,
0.3998

■ 76.9280, 0.2604,
0.4147

■ 75.5971, 0.2586,
0.4297

■ 74.6666, 0.2589,
0.4446

■ 74.0668, 0.2611,
0.4591

Harmonies

Analogous

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



95.7278, 0.3134, 0.3430



95.7278, 0.3044, 0.3369



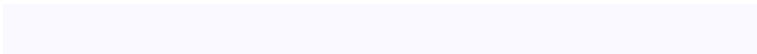
95.7278, 0.2977, 0.3287

Triad

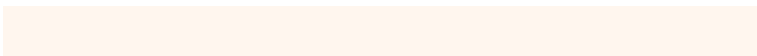
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.7278, 0.3044, 0.3369



95.7278, 0.3030, 0.3133



95.7278, 0.3309, 0.3369

Complementary

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



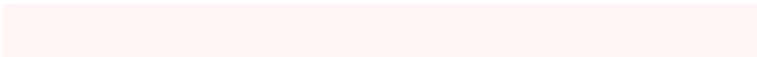
95.7278, 0.3044, 0.3369



86.5453, 0.3218, 0.3212

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.



95.7278, 0.3280, 0.3291



95.7278, 0.3044, 0.3369



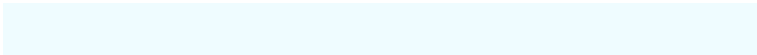
95.7278, 0.3118, 0.3156

Square

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



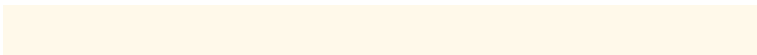
95.7278, 0.3044, 0.3369



95.7278, 0.2969, 0.3151



95.7278, 0.3210, 0.3213



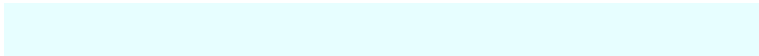
95.7278, 0.3288, 0.3428

Rectangle

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



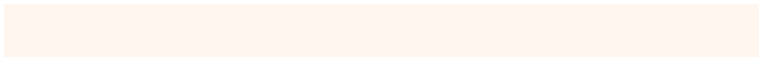
95.7278, 0.3044, 0.3369



95.7278, 0.2953, 0.3232



95.7278, 0.3210, 0.3213



95.7278, 0.3305, 0.3344

Sweetspot

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



95.7319, 0.3044, 0.3369



98.9210, 0.3107, 0.3309



96.3492, 0.3167, 0.3497



21.1845, 0.3108, 0.3308



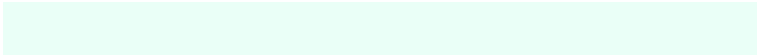
0.0000, 0.0000, 0.0000



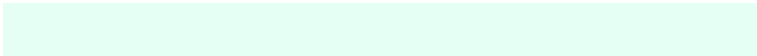
21.4041, 0.3127, 0.3290

Same Dimension

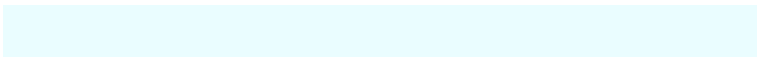
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.7319, 0.3044, 0.3369



94.8702, 0.3026, 0.3387



94.6863, 0.3000, 0.3266



20.3572, 0.3031, 0.3382



38.6875, 0.2609, 0.4593



3.7882, 0.2563, 0.4427

Inverse Universe

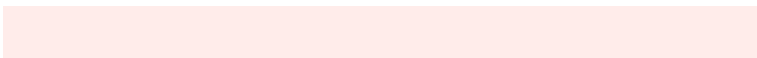
The Inverse Universe completely reimagines the original color for something new.



86.5453, 0.3218, 0.3212



83.8206, 0.3240, 0.3195



87.4773, 0.3267, 0.3314



18.1016, 0.3234, 0.3200



11.5883, 0.5461, 0.2782



1.1488, 0.5153, 0.2612

Previews

White Background



This preview shows how the Yxy color 95.7278, 0.3044, 0.3369 looks on a white background.

Color Contrast Check

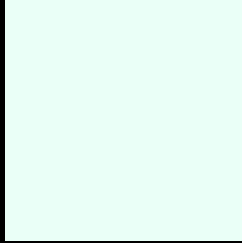
Large Text (above 18pt) WCAG AA × Fail

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 95.7278, 0.3044, 0.3369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

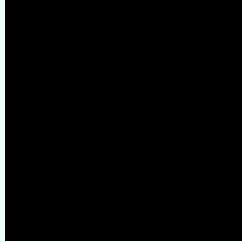
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

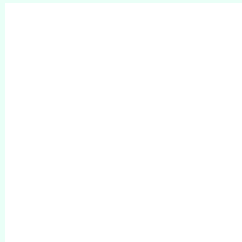
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 95.7278, 0.3044, 0.3369

Background



This preview shows how black text looks on a background with the Yxy color 95.7278, 0.3044, 0.3369.

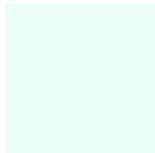


This preview shows how white text looks on a background with the Yxy color 95.7278, 0.3044, 0.3369.

Color Blindness Simulation

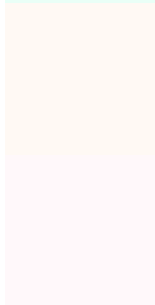
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

95.7278, 0.3044, 0.3369



Protanopia

95.5430, 0.3195, 0.3338

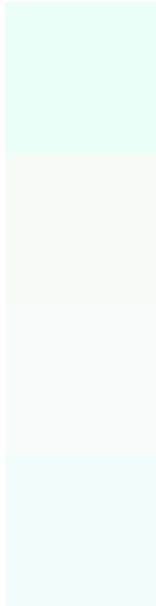
Deuteranopia

95.2969, 0.3160, 0.3271

Tritanopia

95.3654, 0.3079, 0.3242

Trichromacy



Original Color

95.7278, 0.3044, 0.3369

Protanomaly

95.3611, 0.3137, 0.3349

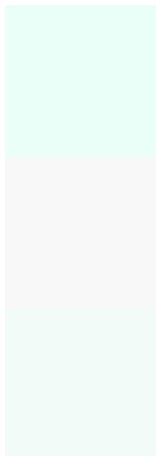
Deuteranomaly

95.6081, 0.3114, 0.3309

Tritanomaly

95.5263, 0.3065, 0.3290

Monochromacy



Original Color

95.7278, 0.3044, 0.3369

Achromatopsia

93.8686, 0.3127, 0.3290

Achromatomaly

94.8264, 0.3094, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.7278, 0.3044, 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(234, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(234, 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(234, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 247) }
```

Border

The CSS property to change the border of an element to Yxy 95.7278, 0.3044, 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(234, 255, 247) }
```

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

```
.border{ border-color:rgb(234, 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(234, 255, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 95.7278, 0.3044, 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(234, 255, 247) }
```

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

```
.background{ background-color: rgb(234,  
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