

Converting Colors

$Y_{xy}(100.0000, 0.3067, 0.3419)$

Have a look what the booklet for
Yxy(100.0000, 0.3067, 0.3419)
contains.

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Color

Yxy(96.4125, 0.3068, 0.3369)

Conversions

Conversions Part 1

Format	Color
Hex	EEFFF7
RGB	238, 255, 247
RGB Percent	93%, 100%, 97%
CMY	0.0668, 0.0000, 0.0314
CMYK	0.07, 0.00, 0.03, 0.00
HSL	152°, 100%, 97%
HSV	152°, 7%, 100%
XYZ	87.7986, 96.4125, 101.9643
YIQ	249.0050, -7.5640, -6.0920

Conversions

Conversions Part 2

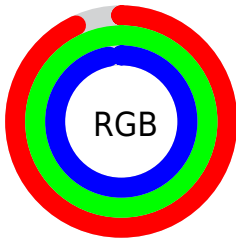
Format	Color
R _Y B	238, 249, 255
Decimal	15663095
CIE Lab	98.60, -7.00, 1.91
CIE LCh	99, 7.251, 164.741
Yxy	96.4125, 0.3068, 0.3369
Android (android.graphics.Color)	4293853175 (0xFFEEFF7)
YUV	249.0050, -0.9885, -9.6514
Hunter-Lab	98.1899, -12.2226, 7.1638

Details

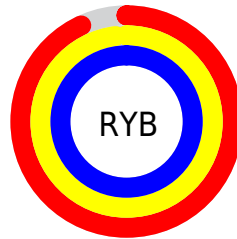
The Yxy color 96.4125, 0.3068, 0.3369 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.0450, 0.3191, 0.3212, and the grayscale version is 94.7390, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.0948, 0.3053, 0.3378 is the 20% darker color. If you saturate the color by 10%, you get 91.5843, 0.2981, 0.3499, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

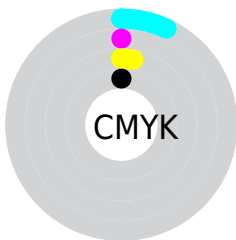
Distribution



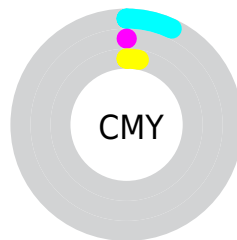
- Red (93%)
- Green (100%)
- Blue (97%)



- Red (93%)
- Yellow (98%)
- 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 96.4125, 0.3068, 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 96.4125, 0.3068, 0.3369 by changing the saturation by 10% instead.

 96.4125, 0.3068,
0.3369

 96.4125, 0.3068,
0.3369


548.6771, 0.3094,
0.3334

 73.3112, 0.3062,
0.3377


156.2146, 0.3077,
0.3357

 54.2304, 0.3055,
0.3386


193.6841, 0.3080,
0.3353

 38.7859, 0.3047,
0.3397

236.7119, 0.3083,
0.3348

 26.5932, 0.3036,
0.3412

285.6822, 0.3086,
0.3345

 17.2680, 0.3022,
0.3431

340.9794, 0.3088,
0.3342

 10.4257, 0.3002,
0.3458

402.9881, 0.3091,

 5.6821, 0.2973,

0.3339

0.3496

472.0925, 0.3092,
0.3336

■ 2.6528, 0.2928,
0.3558

■ 0.9533, 0.2833,
0.3681

■ 96.4125, 0.3068,
0.3369

■ 96.4125, 0.3068,
0.3369

■ 91.5843, 0.2981,
0.3499

100.0000, 0.3127,
0.3290

■ 87.4079, 0.2899,
0.3642


■ 83.8483, 0.2824,
0.3800


■ 80.8744, 0.2759,
0.3969

 78.4522, 0.2708,
0.4148

 76.5441, 0.2675,
0.4334

 75.1077, 0.2661,
0.4521

 74.0931, 0.2668,
0.4706

 73.4379, 0.2694,
0.4882

Harmonies

Analogous

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



96.4125, 0.3147, 0.3416



96.4125, 0.3068, 0.3369



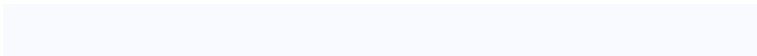
96.4125, 0.3005, 0.3300

Triad

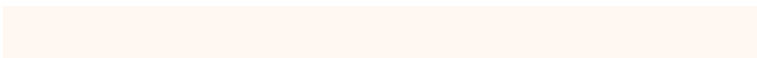
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.4125, 0.3068, 0.3369



96.4125, 0.3032, 0.3154



96.4125, 0.3282, 0.3348

Complementary

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



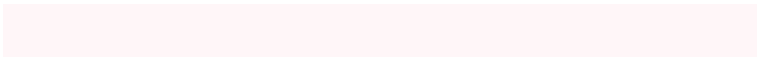
96.4125, 0.3068, 0.3369



89.0450, 0.3191, 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.



96.4125, 0.3251, 0.3279



96.4125, 0.3068, 0.3369



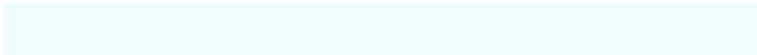
96.4125, 0.3106, 0.3168

Square

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



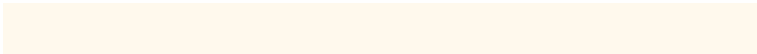
96.4125, 0.3068, 0.3369



96.4125, 0.2984, 0.3176



96.4125, 0.3186, 0.3213



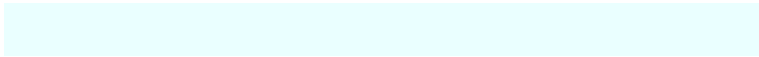
96.4125, 0.3272, 0.3403

Rectangle

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



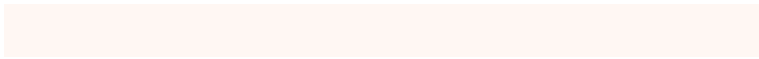
96.4125, 0.3068, 0.3369



96.4125, 0.2980, 0.3252



96.4125, 0.3186, 0.3213



96.4125, 0.3276, 0.3325

Sweetspot

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



96.4066, 0.3068, 0.3369



98.8919, 0.3109, 0.3313



97.3206, 0.3171, 0.3457



21.1785, 0.3110, 0.3312



0.0000, 0.0000, 0.0000



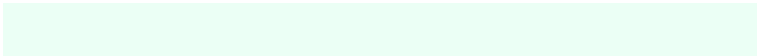
21.4041, 0.3127, 0.3290

Same Dimension

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



96.4066, 0.3068, 0.3369



95.7311, 0.3056, 0.3385



96.7311, 0.3023, 0.3287



20.3289, 0.3043, 0.3404



38.3150, 0.2697, 0.4911



3.7527, 0.2642, 0.4712

Inverse Universe

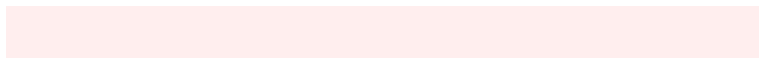
The Inverse Universe completely reimagines the original color for something new.



89.0450, 0.3191, 0.3212



86.9917, 0.3204, 0.3197



88.7288, 0.3241, 0.3293



18.1294, 0.3220, 0.3179



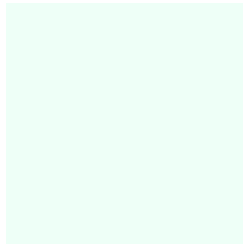
11.8472, 0.5089, 0.2577



1.1754, 0.4819, 0.2428

Previews

White Background



This preview shows how the Yxy color 96.4125, 0.3068, 0.3369 looks on a white background.

Color Contrast Check

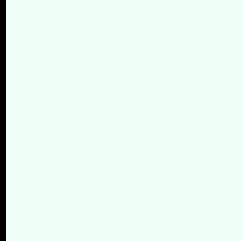
Large Text (above 18pt) WCAG AA × Fail

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 96.4125, 0.3068, 0.3369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

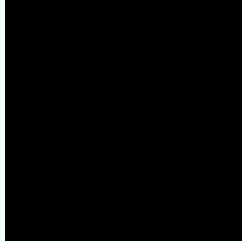
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

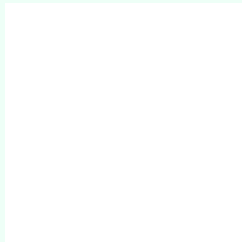
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.4125, 0.3068, 0.3369

Background



This preview shows how black text looks on a background with the Yxy color 96.4125, 0.3068, 0.3369.

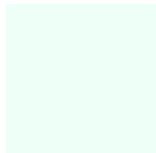


This preview shows how white text looks on a background with the Yxy color 96.4125, 0.3068, 0.3369.

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

96.4125, 0.3068, 0.3369



Protanopia

96.2850, 0.3183, 0.3329

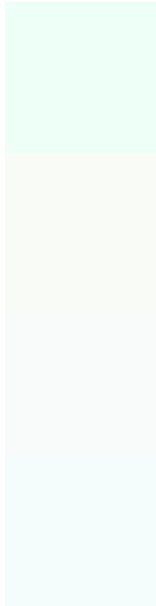
Deuteranopia

95.9764, 0.3153, 0.3271

Tritanopia

96.3541, 0.3091, 0.3251

Trichromacy



Original Color

96.4125, 0.3068, 0.3369

Protanomaly

96.4144, 0.3143, 0.3348

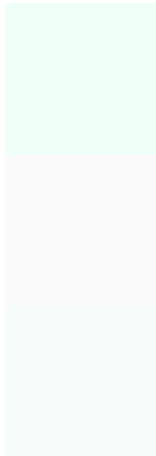
Deuteranomaly

96.0362, 0.3120, 0.3300

Tritanomaly

96.0616, 0.3084, 0.3290

Monochromacy



Original Color

96.4125, 0.3068, 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 96.4125, 0.3068, 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(238, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 247) }
```

Border

The CSS property to change the border of an element to Yxy 96.4125, 0.3068, 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(238, 255, 247) }
```

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

```
.border{ border-color:rgb(238, 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(238, 255, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 96.4125, 0.3068, 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(238, 255, 247) }
```

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

```
.background{ background-color: rgb(238,  
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](#).

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