

Converting Colors

$Y_{xy}(100.0000, 0.3054, 0.3424)$

Have a look what the booklet for
Yxy(100.0000, 0.3054, 0.3424)
contains.

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Color

Yxy(96.0683, 0.3056, 0.3369)

Conversions

Conversions Part 1

Format	Color
Hex	ECFFF7
RGB	236, 255, 247
RGB Percent	93%, 100%, 97%
CMY	0.0745, 0.0000, 0.0314
CMYK	0.07, 0.00, 0.03, 0.00
HSL	155°, 100%, 96%
HSV	155°, 7%, 100%
XYZ	87.1430, 96.0683, 101.9425
YIQ	248.4070, -8.7560, -6.5160

Conversions

Conversions Part 2

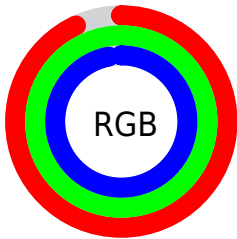
Format	Color
R _Y B	236, 248, 255
Decimal	15532023
CIE Lab	98.46, -7.62, 1.69
CIE LCh	98, 7.807, 167.521
Yxy	96.0683, 0.3056, 0.3369
Android (android.graphics.Color)	4293722103 (0xFFE0FFF7)
YUV	248.4070, -0.6937, -10.8809
Hunter-Lab	98.0144, -12.8239, 6.9440

Details

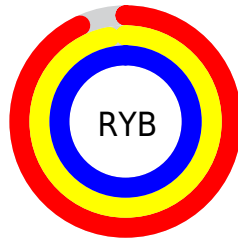
The Yxy color 96.0683, 0.3056, 0.3369 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.7914, 0.3204, 0.3212, and the grayscale version is 94.2334, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.8531, 0.3038, 0.3378 is the 20% darker color. If you saturate the color by 10%, you get 91.3678, 0.2963, 0.3486, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

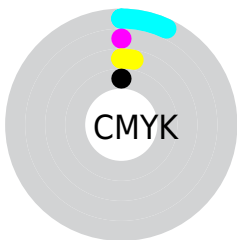
Distribution



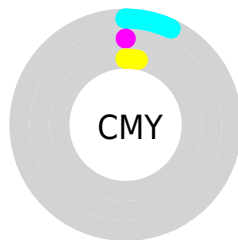
- Red (93%)
- Green (100%)
- Blue (97%)



- 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 96.0683, 0.3056, 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 96.0683, 0.3056, 0.3369 by changing the saturation by 10% instead.

 96.0683, 0.3056,
0.3369

 96.0683, 0.3056,
0.3369

547.5794, 0.3087,
0.3334

 73.0244, 0.3049,
0.3377

155.7397, 0.3067,
0.3357

 53.9960, 0.3041,
0.3386


193.1360, 0.3071,
0.3353

 38.5984, 0.3031,
0.3397

236.0852, 0.3075,
0.3348

 26.4475, 0.3017,
0.3412

284.9718, 0.3078,
0.3345

 17.1587, 0.3000,
0.3431

340.1801, 0.3081,
0.3342

 10.3477, 0.2977,
0.3458

402.0946, 0.3083,

 5.6301, 0.2942,

0.3339

0.3496

471.0995, 0.3085,
0.3336

■ 2.6215, 0.2888,
0.3558

■ 0.9375, 0.2768,
0.3686

■ 96.0683, 0.3056,
0.3369

■ 96.0683, 0.3056,
0.3369

■ 91.3678, 0.2963,
0.3486

100.0000, 0.3127,
0.3290

■ 87.2997, 0.2875,
0.3615

■ 83.8372, 0.2795,
0.3755

■ 80.9494, 0.2726,
0.3906

■ 78.6023, 0.2672,
0.4066

■ 76.7582, 0.2636,
0.4231

■ 75.3745, 0.2620,
0.4398

■ 74.4011, 0.2625,
0.4564

■ 73.7727, 0.2649,
0.4724

Harmonies

Analogous

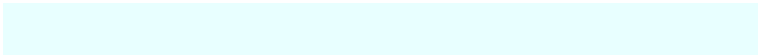
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.0683, 0.3141, 0.3423



96.0683, 0.3056, 0.3369



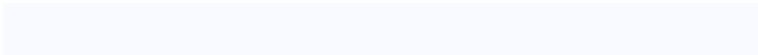
96.0683, 0.2991, 0.3293

Triad

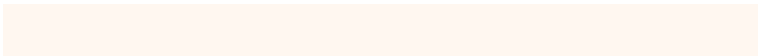
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.0683, 0.3056, 0.3369



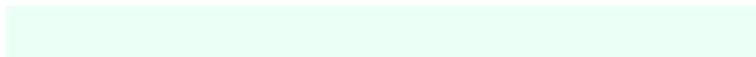
96.0683, 0.3031, 0.3144



96.0683, 0.3296, 0.3358

Complementary

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



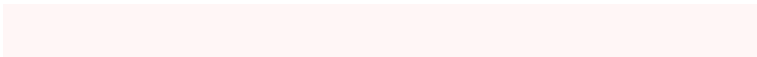
96.0683, 0.3056, 0.3369



87.7914, 0.3204, 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.



96.0683, 0.3265, 0.3285



96.0683, 0.3056, 0.3369



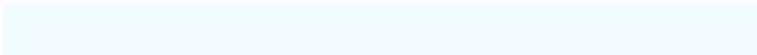
96.0683, 0.3112, 0.3162

Square

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



96.0683, 0.3056, 0.3369



96.0683, 0.2976, 0.3164



96.0683, 0.3198, 0.3213



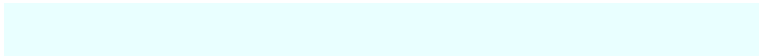
96.0683, 0.3280, 0.3416

Rectangle

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



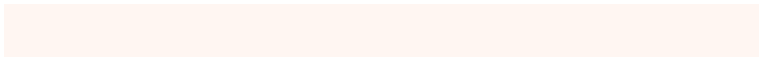
96.0683, 0.3056, 0.3369



96.0683, 0.2967, 0.3242



96.0683, 0.3198, 0.3213



96.0683, 0.3290, 0.3335

Sweetspot

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



96.0705, 0.3056, 0.3369



98.9078, 0.3108, 0.3311



96.8532, 0.3170, 0.3477



21.1818, 0.3109, 0.3310



0.0000, 0.0000, 0.0000



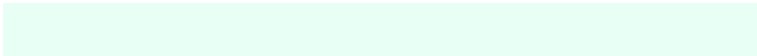
21.4041, 0.3127, 0.3290

Same Dimension

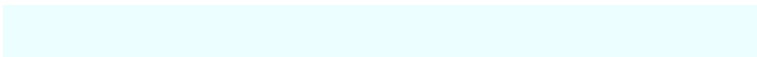
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.0705, 0.3056, 0.3369



95.2967, 0.3041, 0.3386



95.7703, 0.3011, 0.3277



20.3444, 0.3037, 0.3392



38.5106, 0.2649, 0.4738



3.7715, 0.2599, 0.4556

Inverse Universe

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



87.7914, 0.3204, 0.3212



85.3955, 0.3222, 0.3196



88.0472, 0.3254, 0.3303



18.1141, 0.3228, 0.3190



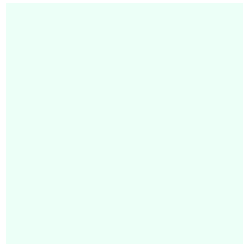
11.6970, 0.5296, 0.2691



1.1602, 0.5003, 0.2529

Previews

White Background



This preview shows how the Yxy color 96.0683, 0.3056, 0.3369 looks on a white background.

Color Contrast Check

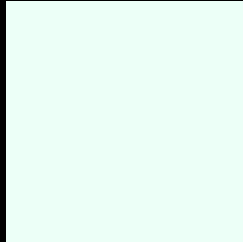
Large Text (above 18pt) WCAG AA × Fail

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 96.0683, 0.3056, 0.3369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

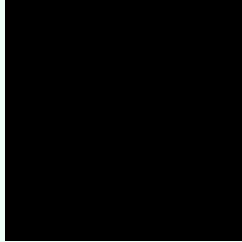
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

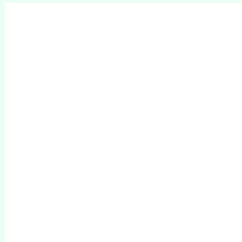
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.0683, 0.3056, 0.3369

Background



This preview shows how black text looks on a background with the Yxy color 96.0683, 0.3056, 0.3369.



This preview shows how white text looks on a background with the Yxy color 96.0683, 0.3056, 0.3369.

Color Blindness Simulation

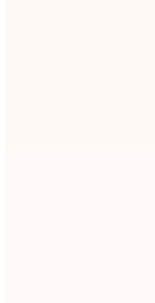
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

96.0683, 0.3056, 0.3369



Protanopia

95.6039, 0.3189, 0.3329

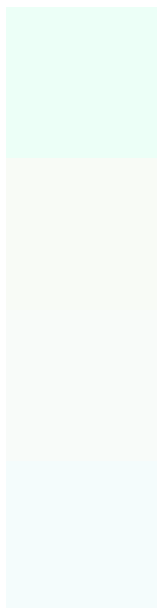
Deuteranopia

95.9135, 0.3159, 0.3281

Tritanopia

96.1708, 0.3085, 0.3251

Trichromacy



Original Color

96.0683, 0.3056, 0.3369

Protanomaly

95.6046, 0.3137, 0.3339

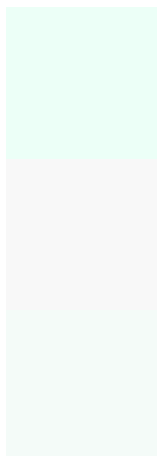
Deuteranomaly

95.7904, 0.3120, 0.3309

Tritanomaly

95.8822, 0.3077, 0.3290

Monochromacy



Original Color

96.0683, 0.3056, 0.3369

Achromatopsia

93.8686, 0.3127, 0.3290

Achromatomaly

95.0048, 0.3101, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.0683, 0.3056, 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(236, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 247) }
```

Border

The CSS property to change the border of an element to Yxy 96.0683, 0.3056, 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(236, 255, 247) }
```

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

```
.border{ border-color:rgb(236, 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(236, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 96.0683, 0.3056, 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(236, 255, 247) }
```

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

```
.background{ background-color: rgb(236,  
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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