

Converting Colors

$Y_{xy}(100.0000, 0.3070, 0.3448)$

Have a look what the booklet for
Yxy(100.0000, 0.3070, 0.3448)
contains.

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Color

Yxy(96.1171, 0.3073, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	EDFFF5
RGB	237, 255, 245
RGB Percent	93%, 100%, 96%
CMY	0.0708, 0.0000, 0.0392
CMYK	0.07, 0.00, 0.04, 0.00
HSL	147°, 100%, 96%
HSV	147°, 7%, 100%
XYZ	87.1549, 96.1171, 100.3430
YIQ	248.4780, -7.5180, -6.9260

Conversions

Conversions Part 2

Format	Color
R _Y B	237, 249, 255
Decimal	15597557
CIE Lab	98.48, -7.68, 2.75
CIE LCh	98, 8.161, 160.314
Yxy	96.1171, 0.3073, 0.3389
Android (android.graphics.Color)	4293787637 (0xFFEDFFF5)
YUV	248.4780, -1.7147, -10.0662
Hunter-Lab	98.0393, -12.8861, 7.9444

Details

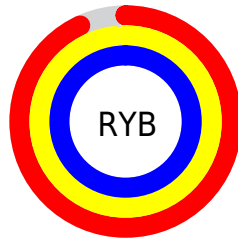
The Yxy color **96.1171, 0.3073, 0.3389** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.5158, 0.3185, 0.3193**, and the grayscale version is **94.2876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.8860, 0.3059, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **91.1983, 0.2998, 0.3543**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

Distribution



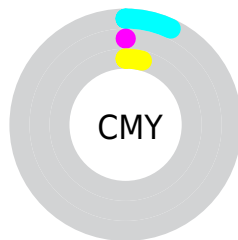
- Red (93%)
- Green (100%)
- Blue (96%)



- Red (93%)
- Yellow (98%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.1171, 0.3073, 0.3389 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 96.1171, 0.3073, 0.3389 by changing the saturation by 10% instead.


 96.1171, 0.3073,
0.3389

 96.1171, 0.3073,
0.3389


547.7351, 0.3097,
0.3345

 73.0651, 0.3068,
0.3399


155.8070, 0.3081,
0.3374

 54.0292, 0.3061,
0.3410


193.2137, 0.3084,
0.3368

 38.6250, 0.3053,
0.3425


236.1741, 0.3087,
0.3363

 26.4681, 0.3043,
0.3443

285.0726, 0.3090,
0.3359

 17.1742, 0.3030,
0.3468

340.2935, 0.3092,
0.3355

 10.3588, 0.3012,
0.3501

402.2213, 0.3094,

 5.6375, 0.2985,

0.3351

0.3550

471.2404, 0.3095,
0.3348

■ 2.6259, 0.2942,
0.3630

■ 0.9397, 0.2848,
0.3798

■ 96.1171, 0.3073,
0.3389

■ 96.1171, 0.3073,
0.3389

■ 91.1983, 0.2998,
0.3543

100.0000, 0.3127,
0.3290

■ 86.9494, 0.2926,
0.3715

■ 83.3334, 0.2861,
0.3903

■ 80.3182, 0.2805,
0.4105

■ 77.8692, 0.2762,
0.4319

■ 75.9478, 0.2736,
0.4539

■ 74.5106, 0.2729,
0.4758

■ 73.5067, 0.2741,
0.4970

■ 72.8713, 0.2773,
0.5166

Harmonies

Analogous

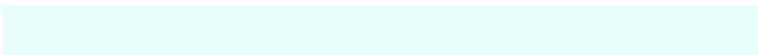
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.1171, 0.3163, 0.3437



96.1171, 0.3073, 0.3389



96.1171, 0.2998, 0.3313

Triad

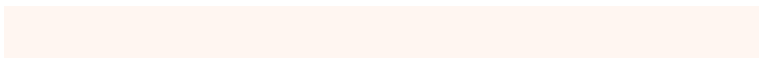
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.1171, 0.3073, 0.3389



96.1171, 0.3010, 0.3139



96.1171, 0.3300, 0.3344

Complementary

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



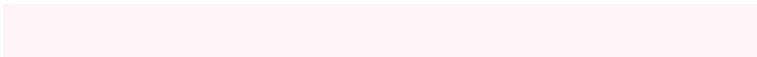
96.1171, 0.3073, 0.3389



88.5158, 0.3185, 0.3193

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.



96.1171, 0.3258, 0.3265



96.1171, 0.3073, 0.3389



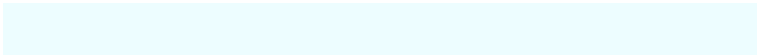
96.1171, 0.3089, 0.3148

Square

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



96.1171, 0.3073, 0.3389



96.1171, 0.2962, 0.3169



96.1171, 0.3180, 0.3194



96.1171, 0.3295, 0.3409

Rectangle

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



96.1171, 0.3073, 0.3389



96.1171, 0.2966, 0.3259



96.1171, 0.3180, 0.3194



96.1171, 0.3291, 0.3318

Sweetspot

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



96.1095, 0.3073, 0.3389



98.8648, 0.3112, 0.3317



97.4389, 0.3183, 0.3467



21.1730, 0.3113, 0.3316



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.



96.1095, 0.3073, 0.3389



95.6272, 0.3066, 0.3402



96.6597, 0.3024, 0.3302



20.3027, 0.3055, 0.3425



38.0306, 0.2775, 0.5190



3.7245, 0.2714, 0.4969

Inverse Universe

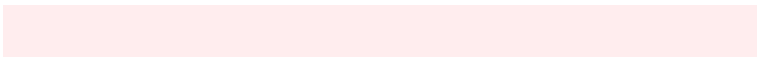
The Inverse Universe completely reimagines the original color for something new.



88.5158, 0.3185, 0.3193



87.0960, 0.3193, 0.3180



87.9854, 0.3241, 0.3279



18.1556, 0.3207, 0.3159



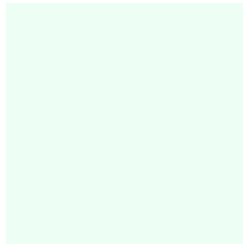
12.1494, 0.4735, 0.2382



1.2050, 0.4512, 0.2259

Previews

White Background



This preview shows how the Yxy color 96.1171, 0.3073, 0.3389 looks on a white background.

Color Contrast Check

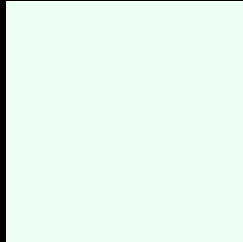
Large Text (above 18pt) WCAG AA × Fail

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 96.1171, 0.3073, 0.3389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

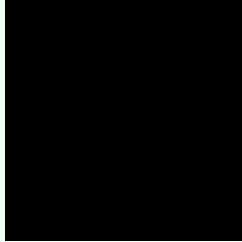
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

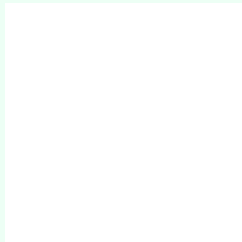
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.1171, 0.3073, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 96.1171, 0.3073, 0.3389.

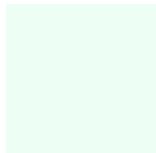


This preview shows how white text looks on a background with the Yxy color 96.1171, 0.3073, 0.3389.

Color Blindness Simulation

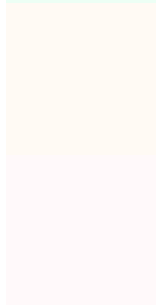
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

96.1171, 0.3073, 0.3389



Protanopia

96.1629, 0.3194, 0.3348

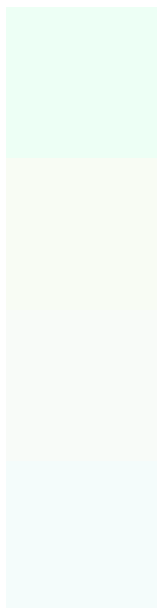
Deuteranopia

95.9135, 0.3159, 0.3281

Tritanopia

96.1708, 0.3085, 0.3251

Trichromacy



Original Color

96.1171, 0.3073, 0.3389

Protanomaly

96.1089, 0.3149, 0.3368

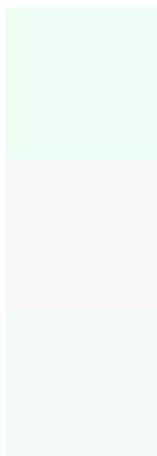
Deuteranomaly

95.7281, 0.3126, 0.3319

Tritanomaly

95.8189, 0.3083, 0.3300

Monochromacy



Original Color

96.1171, 0.3073, 0.3389

Achromatopsia

93.8686, 0.3127, 0.3290

Achromatomaly

94.9429, 0.3106, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.1171, 0.3073, 0.3389 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(237, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 245)  
}
```

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(237, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 245) }
```

Border

The CSS property to change the border of an element to Yxy 96.1171, 0.3073, 0.3389 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(237, 255, 245) }
```

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

```
.border{ border-color:rgb(237, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 96.1171, 0.3073, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 245) }
```

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

```
.background{ background-color: rgb(237,  
255, 245) }
```

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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