

Converting Colors

$Yxy(98.7704, 0.3064, 0.3415)$

Have a look what the booklet for
Yxy(98.7704, 0.3064, 0.3415)
contains.

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Color

Yxy(96.1783, 0.3068, 0.3379)

Conversions

Conversions Part 1

Format	Color
Hex	EDFFF6
RGB	237, 255, 246
RGB Percent	93%, 100%, 96%
CMY	0.0704, 0.0000, 0.0354
CMYK	0.07, 0.00, 0.04, 0.00
HSL	150°, 100%, 96%
HSV	150°, 7%, 100%
XYZ	87.3261, 96.1783, 101.1310
YIQ	248.5920, -7.8390, -6.6150

Conversions

Conversions Part 2

Format	Color
R _{YB}	237, 249, 255
Decimal	15597558
CIE Lab	98.50, -7.47, 2.28
CIE LCh	99, 7.811, 163.008
Yxy	96.1783, 0.3068, 0.3379
Android (android.graphics.Color)	4293787638 (0xFFEDFFF6)
YUV	248.5920, -1.2779, -10.1662
Hunter-Lab	98.0705, -12.6795, 7.5092

Details

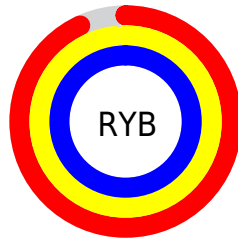
The Yxy color **96.1783, 0.3068, 0.3379** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.5088, 0.3191, 0.3203**, and the grayscale version is **94.4010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.9296, 0.3052, 0.3391** is the 20% darker color. If you saturate the color by 10%, you get **91.3402, 0.2986, 0.3518**, and if you desaturate by 10%, it is **99.9985, 0.3127, 0.3290**.

Distribution



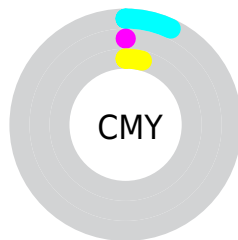
- Red (93%)
- Green (100%)
- Blue (96%)



- 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 96.1783, 0.3068, 0.3379 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 96.1783, 0.3068, 0.3379 by changing the saturation by 10% instead.


 96.1783, 0.3068,
0.3379

 96.1783, 0.3068,
0.3379


547.9303, 0.3094,
0.3340

 73.1161, 0.3062,
0.3388


155.8915, 0.3077,
0.3366

 54.0709, 0.3055,
0.3398


193.3112, 0.3080,
0.3360

 38.6583, 0.3047,
0.3411


236.2855, 0.3083,
0.3356

 26.4940, 0.3036,
0.3428

285.1989, 0.3086,
0.3352

 17.1936, 0.3021,
0.3449

340.4356, 0.3088,
0.3348

 10.3726, 0.3002,
0.3479

402.3802, 0.3091,

 5.6467, 0.2973,

0.3345

0.3523

471.4170, 0.3093,
0.3342

■ 2.6315, 0.2927,
0.3594

■ 0.9425, 0.2827,
0.3740

■ 96.1783, 0.3068,
0.3379

■ 96.1783, 0.3068,
0.3379

■ 91.3402, 0.2986,
0.3518

99.9985, 0.3127,
0.3290

■ 87.1491, 0.2907,
0.3673


■ 83.5800, 0.2836,
0.3842


■ 80.6013, 0.2775,
0.4024

 78.1788, 0.2728,
0.4217

 76.2745, 0.2697,
0.4416

 74.8454, 0.2687,
0.4616

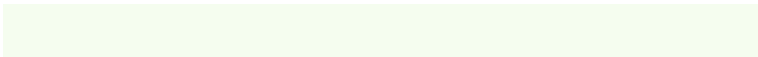
 73.8411, 0.2696,
0.4811

 73.1977, 0.2725,
0.4996

Harmonies

Analogous

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



96.1783, 0.3154, 0.3428



96.1783, 0.3068, 0.3379



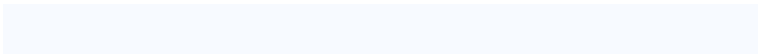
96.1783, 0.2999, 0.3305

Triad

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



96.1783, 0.3068, 0.3379



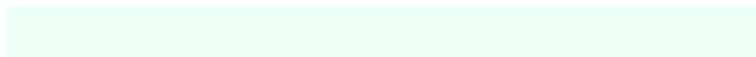
96.1783, 0.3021, 0.3144



96.1783, 0.3294, 0.3348

Complementary

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



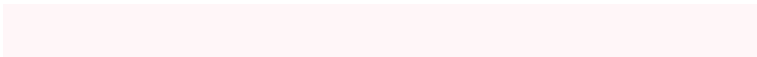
96.1783, 0.3068, 0.3379



88.5088, 0.3191, 0.3203

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.



96.1783, 0.3257, 0.3273



96.1783, 0.3068, 0.3379



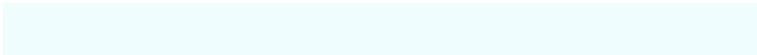
96.1783, 0.3099, 0.3157

Square

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



96.1783, 0.3068, 0.3379



96.1783, 0.2971, 0.3170



96.1783, 0.3185, 0.3204



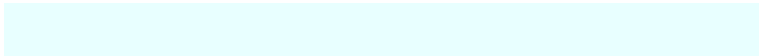
96.1783, 0.3285, 0.3409

Rectangle

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



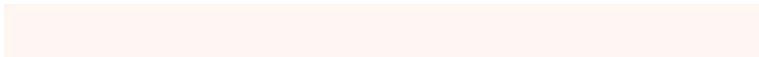
96.1783, 0.3068, 0.3379



96.1783, 0.2971, 0.3253



96.1783, 0.3185, 0.3204



96.1783, 0.3286, 0.3324

Sweetspot

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



96.1824, 0.3068, 0.3379



98.8816, 0.3110, 0.3315



97.2857, 0.3177, 0.3466



21.1765, 0.3111, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

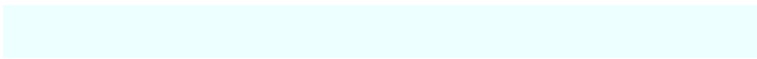
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.1824, 0.3068, 0.3379



95.6917, 0.3060, 0.3392



96.7305, 0.3019, 0.3293



20.3190, 0.3047, 0.3412



38.2003, 0.2728, 0.5019



3.7415, 0.2670, 0.4810

Inverse Universe

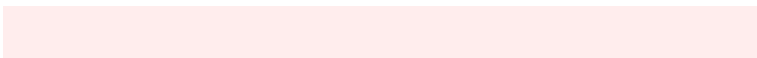
The Inverse Universe completely reimagines the original color for something new.



88.5088, 0.3191, 0.3203



87.0311, 0.3200, 0.3190



87.9855, 0.3246, 0.3287



18.1393, 0.3215, 0.3171



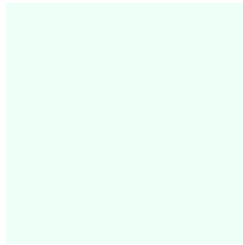
11.9545, 0.4955, 0.2503



1.1860, 0.4702, 0.2364

Previews

White Background



This preview shows how the Yxy color 96.1783, 0.3068, 0.3379 looks on a white background.

Color Contrast Check

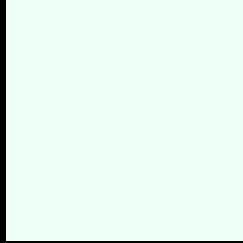
Large Text (above 18pt) WCAG AA × Fail

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 96.1783, 0.3068, 0.3379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

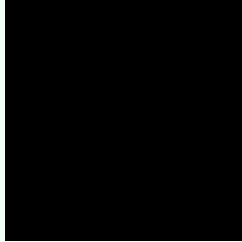
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

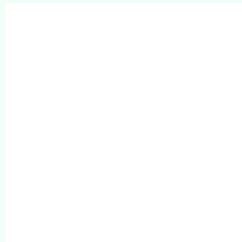
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.1783, 0.3068, 0.3379

Background



This preview shows how black text looks on a background with the Yxy color 96.1783, 0.3068, 0.3379.

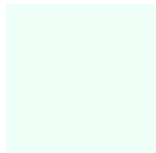


This preview shows how white text looks on a background with the Yxy color 96.1783, 0.3068, 0.3379.

Color Blindness Simulation

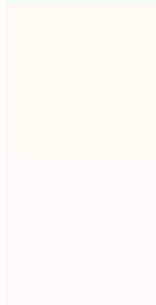
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

96.1783, 0.3068, 0.3379



Protanopia

96.2238, 0.3188, 0.3338

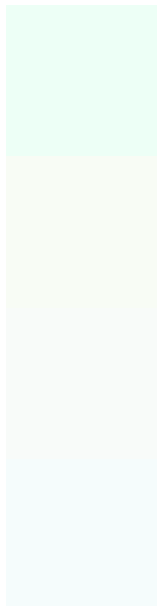
Deuteranopia

95.9135, 0.3159, 0.3281

Tritanopia

96.3541, 0.3091, 0.3251

Trichromacy



Original Color

96.1783, 0.3068, 0.3379

Protanomaly

96.1698, 0.3143, 0.3358

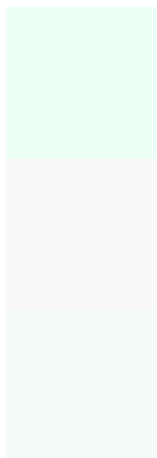
Deuteranomaly

95.7904, 0.3120, 0.3309

Tritanomaly

96.0616, 0.3084, 0.3290

Monochromacy



Original Color

96.1783, 0.3068, 0.3379

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 96.1783, 0.3068, 0.3379 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 246) }
```

Border

The CSS property to change the border of an element to Yxy 96.1783, 0.3068, 0.3379 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, 246) }
```

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

```
.border{ border-color:rgb(237, 255, 246) }
```

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, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 96.1783, 0.3068, 0.3379 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, 246) }
```

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

```
.background{ background-color: rgb(237,  
255, 246) }
```

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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