

Converting Colors

$Y_{xy}(100.0000, 0.3067, 0.3479)$

Have a look what the booklet for
Yxy(100.0000, 0.3067, 0.3479)
contains.

Yxy(95.4835, 0.3066, 0.3410)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(95.4835, 0.3066, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	EAFFF3
RGB	234, 255, 243
RGB Percent	92%, 100%, 95%
CMY	0.0826, 0.0000, 0.0472
CMYK	0.08, 0.00, 0.05, 0.00
HSL	146°, 100%, 96%
HSV	146°, 8%, 100%
XYZ	85.8511, 95.4835, 98.6756
YIQ	247.3530, -8.6640, -8.1840

Conversions

Conversions Part 2

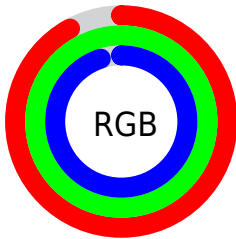
Format	Color
R _Y B	234, 249, 255
Decimal	15400947
CIE _{Lab}	98.23, -9.03, 3.40
CIE _{LCh}	98, 9.650, 159.379
Y _{xy}	95.4835, 0.3066, 0.3410
Android (android.graphics.Color)	4293591027 (0xFFEAF3)
Y _{UV}	247.3530, -2.1460, -11.7106
Hunter-Lab	97.7157, -14.1756, 8.5285

Details

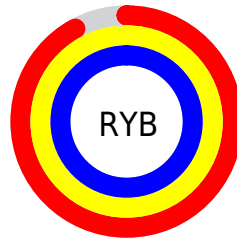
The Yxy color 95.4835, 0.3066, 0.3410 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.7245, 0.3193, 0.3173, and the grayscale version is 93.3188, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.4410, 0.3051, 0.3430 is the 20% darker color. If you saturate the color by 10%, you get 90.6181, 0.2993, 0.3571, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

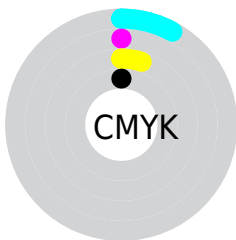
Distribution



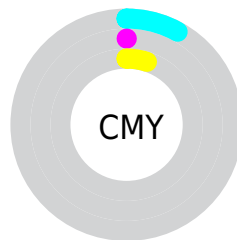
- Red (92%)
- Green (100%)
- Blue (95%)



- Red (92%)
- Yellow (98%)
- Blue (100%)



- Cyan (8%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 95.4835, 0.3066, 0.3410 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 95.4835, 0.3066, 0.3410 by changing the saturation by 10% instead.

 95.4835, 0.3066,
0.3410

 95.4835, 0.3066,
0.3410


545.7117, 0.3093,
0.3357

 72.5375, 0.3060,
0.3422


154.9324, 0.3075,
0.3392

 53.5978, 0.3053,
0.3436


192.2041, 0.3079,
0.3385

 38.2802, 0.3044,
0.3454


235.0197, 0.3082,
0.3379

 26.2003, 0.3032,
0.3476

283.7638, 0.3085,
0.3373

 16.9735, 0.3017,
0.3506

338.8206, 0.3087,
0.3368

 10.2156, 0.2996,
0.3548

400.5746, 0.3090,

 5.5421, 0.2965,

0.3364

0.3608

469.4102, 0.3091,
0.3360

■ 2.5687, 0.2915,
0.3707

■ 0.9110, 0.2793,
0.3943

■ 95.4835, 0.3066,
0.3410

■ 95.4835, 0.3066,
0.3410

■ 90.6181, 0.2993,
0.3571

100.0000, 0.3127,
0.3290

■ 86.4271, 0.2924,
0.3750

■ 82.8690, 0.2862,
0.3946

■ 79.9114, 0.2809,
0.4157

■ 77.5191, 0.2769,
0.4379

■ 75.6529, 0.2747,
0.4606

■ 74.2683, 0.2743,
0.4830

■ 73.3131, 0.2758,
0.5045

■ 72.7159, 0.2792,
0.5241

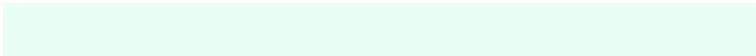
Harmonies

Analogous

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



95.4835, 0.3173, 0.3466



95.4835, 0.3066, 0.3410



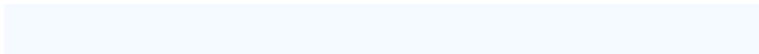
95.4835, 0.2977, 0.3321

Triad

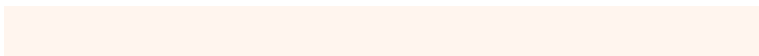
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.4835, 0.3066, 0.3410



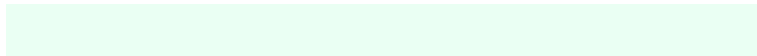
95.4835, 0.2986, 0.3111



95.4835, 0.3331, 0.3350

Complementary

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



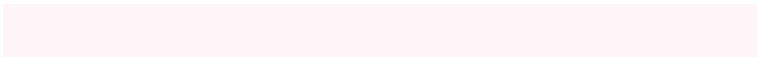
95.4835, 0.3066, 0.3410



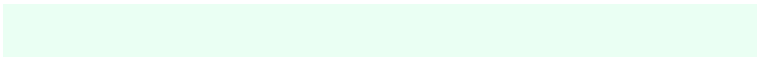
86.7245, 0.3193, 0.3173

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.



95.4835, 0.3279, 0.3258



95.4835, 0.3066, 0.3410



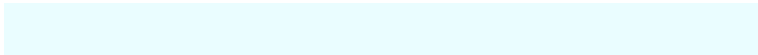
95.4835, 0.3079, 0.3121

Square

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



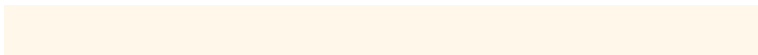
95.4835, 0.3066, 0.3410



95.4835, 0.2931, 0.3148



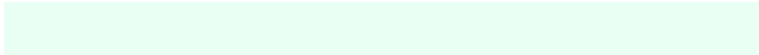
95.4835, 0.3187, 0.3175



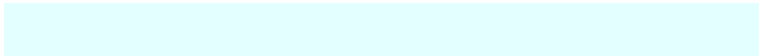
95.4835, 0.3327, 0.3429

Rectangle

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



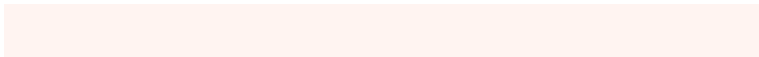
95.4835, 0.3066, 0.3410



95.4835, 0.2938, 0.3255



95.4835, 0.3187, 0.3175



95.4835, 0.3320, 0.3320

Sweetspot

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



95.4720, 0.3066, 0.3410



98.8593, 0.3112, 0.3318



97.0909, 0.3194, 0.3497



21.1719, 0.3113, 0.3317



0.0000, 0.0000, 0.0000



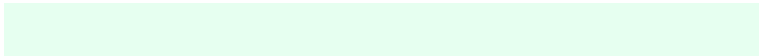
21.4041, 0.3127, 0.3290

Same Dimension

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



95.4720, 0.3066, 0.3410



94.5775, 0.3053, 0.3437



96.1101, 0.3009, 0.3307



20.2975, 0.3057, 0.3429



37.9801, 0.2790, 0.5243



3.7194, 0.2728, 0.5020

Inverse Universe

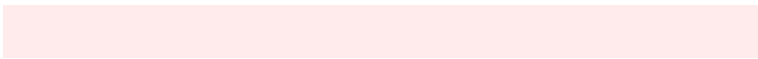
The Inverse Universe completely reimagines the original color for something new.



86.7245, 0.3193, 0.3173



84.1113, 0.3209, 0.3148



86.1111, 0.3259, 0.3273



18.1610, 0.3204, 0.3155



12.2181, 0.4664, 0.2343



1.2115, 0.4451, 0.2226

Previews

White Background



This preview shows how the Yxy color 95.4835, 0.3066, 0.3410 looks on a white background.

Color Contrast Check

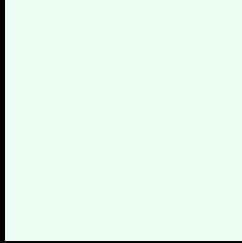
Large Text (above 18pt) WCAG AA × Fail

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 95.4835, 0.3066, 0.3410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

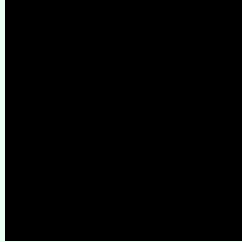
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

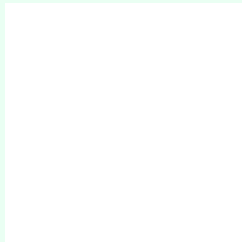
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 95.4835, 0.3066, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 95.4835, 0.3066, 0.3410.

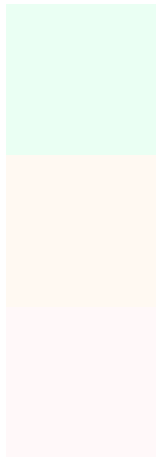


This preview shows how white text looks on a background with the Yxy color 95.4835, 0.3066, 0.3410.

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

95.4835, 0.3066, 0.3410

Protanopia

95.4222, 0.3207, 0.3358

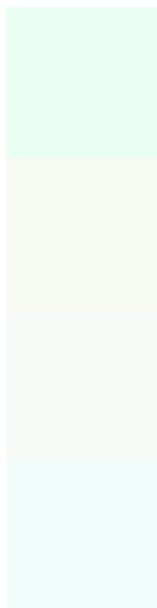
Deuteranopia

95.2344, 0.3166, 0.3281

Tritanopia

95.3654, 0.3079, 0.3242

Trichromacy



Original Color

95.4835, 0.3066, 0.3410

Protanomaly

95.1793, 0.3155, 0.3378

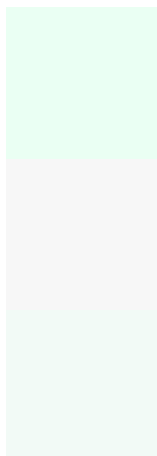
Deuteranomaly

95.4839, 0.3125, 0.3329

Tritanomaly

95.4631, 0.3071, 0.3300

Monochromacy



Original Color

95.4835, 0.3066, 0.3410

Achromatopsia

93.0111, 0.3127, 0.3290

Achromatomaly

93.9023, 0.3100, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.4835, 0.3066, 0.3410 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 243) }
```

Border

The CSS property to change the border of an element to Yxy 95.4835, 0.3066, 0.3410 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, 243) }
```

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

```
.border{ border-color:rgb(234, 255, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 95.4835, 0.3066, 0.3410 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, 243) }
```

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

```
.background{ background-color: rgb(234,  
255, 243) }
```

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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