

Converting Colors

$Y_{xy}(100.0000, 0.3083, 0.3521)$

Have a look what the booklet for
Yxy(100.0000, 0.3083, 0.3521)
contains.

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Color

Yxy(95.2444, 0.3089, 0.3450)

Conversions

Conversions Part 1

Format	Color
Hex	EAFFEF
RGB	234, 255, 239
RGB Percent	92%, 100%, 94%
CMY	0.0822, 0.0000, 0.0628
CMYK	0.08, 0.00, 0.06, 0.00
HSL	134°, 100%, 96%
HSV	134°, 8%, 100%
XYZ	85.2782, 95.2444, 95.5481
YIQ	246.8970, -7.3800, -9.4280

Conversions

Conversions Part 2

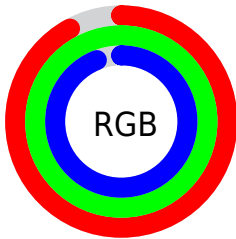
Format	Color
R_{YB}	234, 251, 255
Decimal	15400943
CIE _{Lab}	98.13, -9.70, 5.30
CIE _{LCh}	98, 11.052, 151.339
Y _{xy}	95.2444, 0.3089, 0.3450
Android (android.graphics.Color)	4293591023 (0xFFEAF _{FEF})
Y _{UV}	246.8970, -3.8932, -11.3107
Hunter-Lab	97.5932, -14.8125, 10.2677

Details

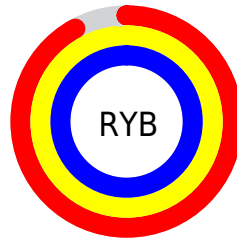
The Yxy color 95.2444, 0.3089, 0.3450 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.0266, 0.3168, 0.3135, and the grayscale version is 92.9666, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.2720, 0.3079, 0.3482 is the 20% darker color. If you saturate the color by 10%, you get 90.1489, 0.3043, 0.3668, and if you desaturate by 10%, it is 99.9990, 0.3127, 0.3290.

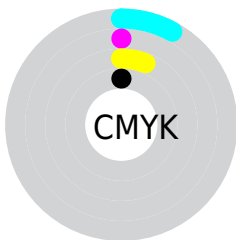
Distribution



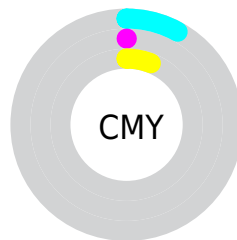
- Red (92%)
- Green (100%)
- Blue (94%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 95.2444, 0.3089, 0.3450 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 95.2444, 0.3089, 0.3450 by changing the saturation by 10% instead.


 95.2444, 0.3089,
0.3450

 95.2444, 0.3089,
0.3450


544.9471, 0.3106,
0.3379

 72.3384, 0.3085,
0.3466

154.6022, 0.3095,
0.3426

 53.4352, 0.3080,
0.3485


191.8228, 0.3097,
0.3416

 38.1503, 0.3075,
0.3509


234.5837, 0.3099,
0.3408

 26.0993, 0.3067,
0.3539

283.2694, 0.3101,
0.3401

 16.8980, 0.3057,
0.3580

338.2642, 0.3103,
0.3394

 10.1618, 0.3042,
0.3636

399.9524, 0.3104,

 5.5064, 0.3021,

0.3388

0.3719

468.7186, 0.3105,
0.3383

■ 2.5473, 0.2985,
0.3854

■ 0.9003, 0.2907,
0.4229

■ 95.2444, 0.3089,
0.3450

■ 95.2444, 0.3089,
0.3450

■ 90.1489, 0.3043,
0.3668

99.9990, 0.3127,
0.3290

■ 85.7640, 0.2998,
0.3911

■ 82.0614, 0.2956,
0.4178

■ 79.0061, 0.2922,
0.4462

■ 76.5601, 0.2896,
0.4756

■ 74.6811, 0.2884,
0.5045

■ 73.3214, 0.2885,
0.5315

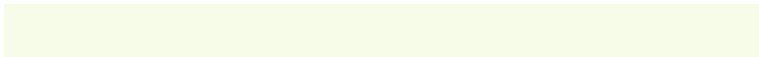
■ 72.4252, 0.2901,
0.5549

■ 71.9170, 0.2929,
0.5734

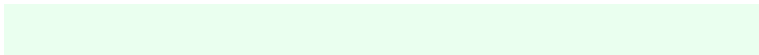
Harmonies

Analogous

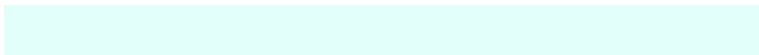
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.2444, 0.3211, 0.3500



95.2444, 0.3089, 0.3450



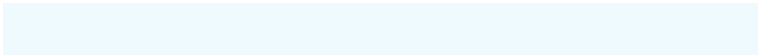
95.2444, 0.2978, 0.3355

Triad

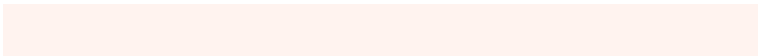
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.2444, 0.3089, 0.3450



95.2444, 0.2943, 0.3091



95.2444, 0.3351, 0.3331

Complementary

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



95.2444, 0.3089, 0.3450



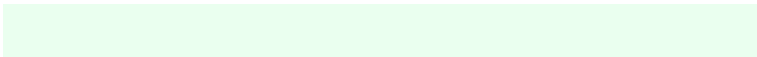
87.0266, 0.3168, 0.3135

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.



95.2444, 0.3277, 0.3225



95.2444, 0.3089, 0.3450



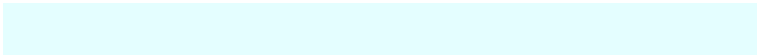
95.2444, 0.3040, 0.3089

Square

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



95.2444, 0.3089, 0.3450



95.2444, 0.2895, 0.3147



95.2444, 0.3162, 0.3138



95.2444, 0.3365, 0.3428

Rectangle

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



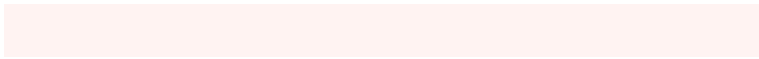
95.2444, 0.3089, 0.3450



95.2444, 0.2926, 0.3280



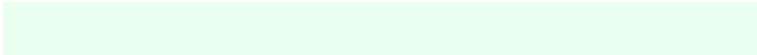
95.2444, 0.3162, 0.3138



95.2444, 0.3333, 0.3295

Sweetspot

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



95.2485, 0.3089, 0.3450



98.7974, 0.3118, 0.3327



97.8048, 0.3218, 0.3495



21.1593, 0.3118, 0.3326



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.



95.2485, 0.3089, 0.3450



94.2899, 0.3081, 0.3487



95.8815, 0.3031, 0.3345



20.2387, 0.3083, 0.3477



37.5626, 0.2927, 0.5736



3.6734, 0.2869, 0.5529

Inverse Universe

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



87.0266, 0.3168, 0.3135



84.4127, 0.3177, 0.3101



86.3914, 0.3234, 0.3236



18.2224, 0.3174, 0.3110



13.1821, 0.3919, 0.1932



1.3004, 0.3820, 0.1878

Previews

White Background



This preview shows how the Yxy color 95.2444, 0.3089, 0.3450 looks on a white background.

Color Contrast Check

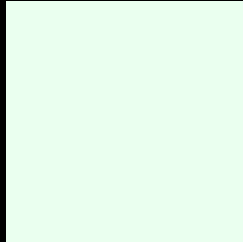
Large Text (above 18pt) WCAG AA × Fail

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 95.2444, 0.3089, 0.3450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

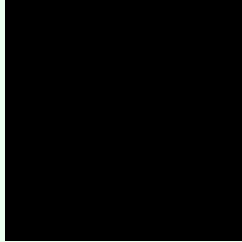
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

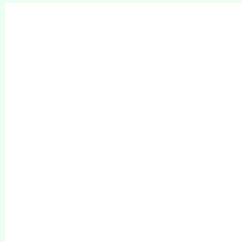
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 95.2444, 0.3089, 0.3450

Background



This preview shows how black text looks on a background with the Yxy color 95.2444, 0.3089, 0.3450.

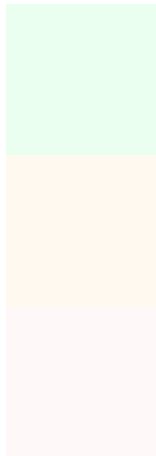


This preview shows how white text looks on a background with the Yxy color 95.2444, 0.3089, 0.3450.

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

95.2444, 0.3089, 0.3450

Protanopia

95.2434, 0.3225, 0.3387

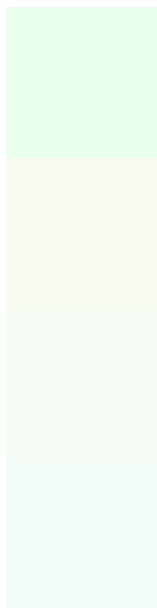
Deuteranopia

95.1721, 0.3172, 0.3290

Tritanopia

95.3654, 0.3079, 0.3242

Trichromacy



Original Color

95.2444, 0.3089, 0.3450

Protanomaly

95.0005, 0.3172, 0.3408

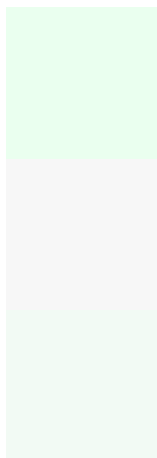
Deuteranomaly

95.3611, 0.3137, 0.3349

Tritanomaly

95.3376, 0.3082, 0.3319

Monochromacy



Original Color

95.2444, 0.3089, 0.3450

Achromatopsia

93.0111, 0.3127, 0.3290

Achromatomaly

93.7801, 0.3112, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.2444, 0.3089, 0.3450 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 239) }
```

Border

The CSS property to change the border of an element to Yxy 95.2444, 0.3089, 0.3450 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, 239) }
```

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

```
.border{ border-color:rgb(234, 255, 239) }
```

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, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 95.2444, 0.3089, 0.3450 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, 239) }
```

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

```
.background{ background-color: rgb(234,  
255, 239) }
```

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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