

Converting Colors

$Yxy(89.8181, 0.3097, 0.3369)$

Have a look what the booklet for
Yxy(89.8181, 0.3097, 0.3369)
contains.

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Color

Yxy(89.5770, 0.3098, 0.3371)

Conversions

Conversions Part 1

Format	Color
Hex	EAF6EE
RGB	234, 246, 238
RGB Percent	92%, 96%, 93%
CMY	0.0823, 0.0353, 0.0667
CMYK	0.05, 0.00, 0.03, 0.04
HSL	140°, 40%, 94%
HSV	140°, 5%, 96%
XYZ	82.3226, 89.5770, 93.8287
YIQ	241.5000, -4.5840, -5.0320

Conversions

Conversions Part 2

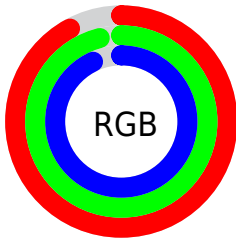
Format	Color
RYB	234, 243, 246
Decimal	15398638
CIELab	95.82, -5.38, 2.47
CIELCh	96, 5.918, 155.299
Yxy	89.5770, 0.3098, 0.3371
Android (android.graphics.Color)	4293588718 (0xFFEAF6EE)
YUV	241.5000, -1.7255, -6.5775
Hunter-Lab	94.6451, -10.3691, 7.4731

Details

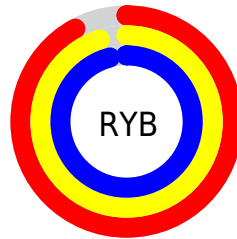
The Yxy color **89.5770, 0.3098, 0.3371** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.8627, 0.3158, 0.3210**, and the grayscale version is **88.3980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6693, 0.3090, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **84.7782, 0.3038, 0.3553**, and if you desaturate by 10%, it is **94.3570, 0.3135, 0.3209**.

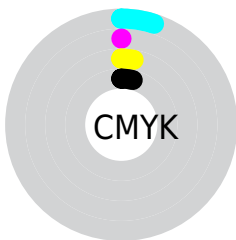
Distribution



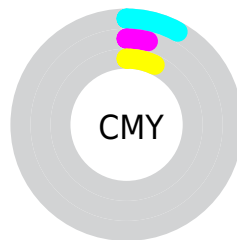
- Red (92%)
- Green (96%)
- Blue (93%)



- Red (92%)
- Yellow (95%)
- Blue (96%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)




- Cyan (8%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5770, 0.3098, 0.3371 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 89.5770, 0.3098, 0.3371 by changing the saturation by 10% instead.

 89.5770, 0.3098,
0.3371

 89.5770, 0.3098,
0.3371

526.6539, 0.3111,
0.3335

 67.6299, 0.3095,
0.3379

146.7507, 0.3102,
0.3359

 49.5967, 0.3092,
0.3389

182.7460, 0.3104,
0.3354

 35.0930, 0.3087,
0.3401


224.1929, 0.3106,
0.3350

 23.7345, 0.3081,
0.3417

271.4757, 0.3107,
0.3346

 15.1368, 0.3074,
0.3438

324.9788, 0.3108,
0.3343

 8.9155, 0.3063,
0.3467

385.0866, 0.3109,

 4.6861, 0.3047,

0.3340

0.3511

452.1835, 0.3110,
0.3337

■ 2.0643, 0.3020,
0.3583

■ 0.6444, 0.2909,
0.3895

■ 89.5770, 0.3098,
0.3371

■ 89.5770, 0.3098,
0.3371

■ 84.7782, 0.3038,
0.3553

■ 94.3570, 0.3135,
0.3209

■ 80.6161, 0.2980,
0.3757

■ 94.3929, 0.3131,
0.3204

■ 77.0667, 0.2927,
0.3982

■ 74.1002, 0.2880,
0.4225

■ 71.6841, 0.2844,
0.4482

■ 69.7828, 0.2822,
0.4744

■ 68.3562, 0.2816,
0.5001

■ 67.3580, 0.2828,
0.5241

■ 66.7319, 0.2857,
0.5453

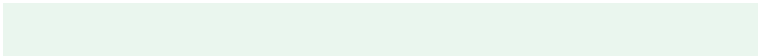
Harmonies

Analogous

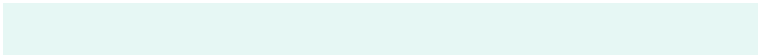
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5770, 0.3165, 0.3402



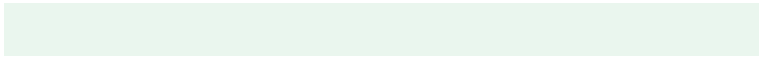
89.5770, 0.3098, 0.3371



89.5770, 0.3039, 0.3318

Triad

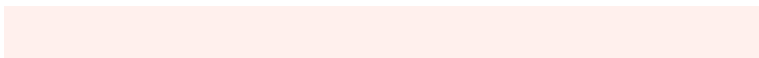
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.5770, 0.3098, 0.3371



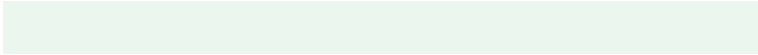
89.5770, 0.3032, 0.3179



89.5770, 0.3252, 0.3321

Complementary

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



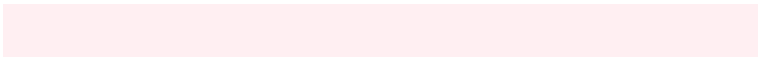
89.5770, 0.3098, 0.3371



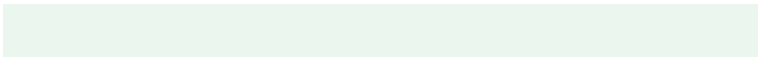
84.8627, 0.3158, 0.3210

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.



89.5770, 0.3216, 0.3262



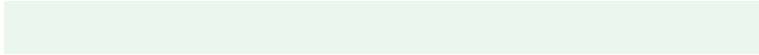
89.5770, 0.3098, 0.3371



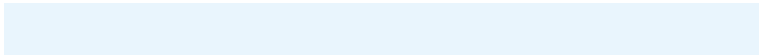
89.5770, 0.3088, 0.3181

Square

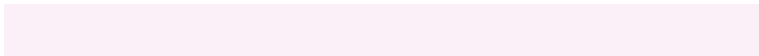
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



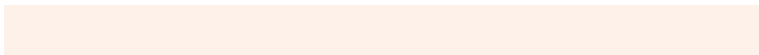
89.5770, 0.3098, 0.3371



89.5770, 0.3001, 0.3207



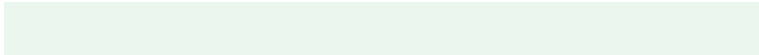
89.5770, 0.3156, 0.3211



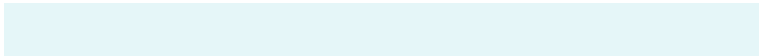
89.5770, 0.3255, 0.3372

Rectangle

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



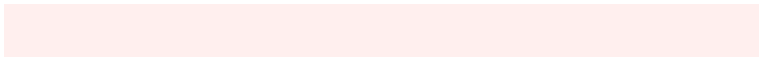
89.5770, 0.3098, 0.3371



89.5770, 0.3012, 0.3277



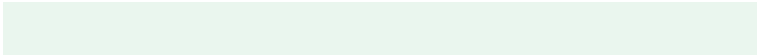
89.5770, 0.3156, 0.3211



89.5770, 0.3244, 0.3301

Sweetspot

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



89.5808, 0.3098, 0.3371



99.4102, 0.3121, 0.3306



90.7685, 0.3174, 0.3410



21.2841, 0.3121, 0.3305



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

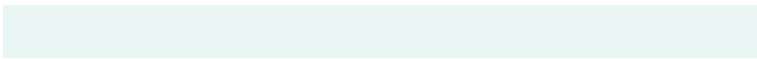
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5808, 0.3098, 0.3371



96.5711, 0.3091, 0.3391



89.9284, 0.3064, 0.3312



18.8602, 0.3087, 0.3402



35.5248, 0.2866, 0.5519



3.1405, 0.2797, 0.5268

Inverse Universe

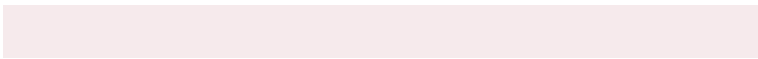
The Inverse Universe completely reimagines the original color for something new.



84.8627, 0.3158, 0.3210



90.3017, 0.3165, 0.3191



84.5186, 0.3194, 0.3268



17.5091, 0.3169, 0.3181



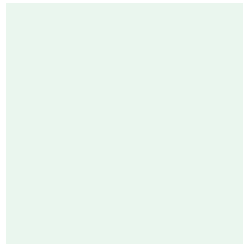
11.9262, 0.4266, 0.2124



1.0672, 0.4099, 0.2032

Previews

White Background



This preview shows how the Yxy color 89.5770, 0.3098, 0.3371 looks on a white background.

Color Contrast Check

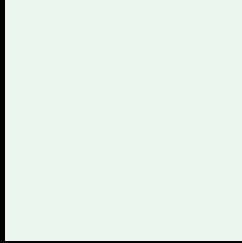
Large Text (above 18pt) WCAG AA × Fail

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 89.5770, 0.3098, 0.3371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

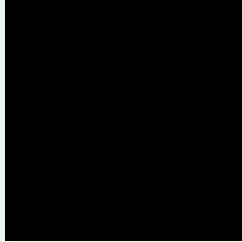
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

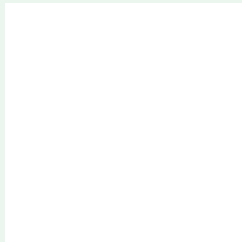
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5770, 0.3098, 0.3371

Background



This preview shows how black text looks on a background with the Yxy color 89.5770, 0.3098, 0.3371.

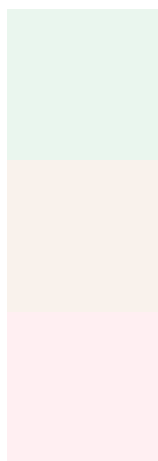


This preview shows how white text looks on a background with the Yxy color 89.5770, 0.3098, 0.3371.

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

89.5770, 0.3098, 0.3371

Protanopia

89.7001, 0.3210, 0.3350

Deuteranopia

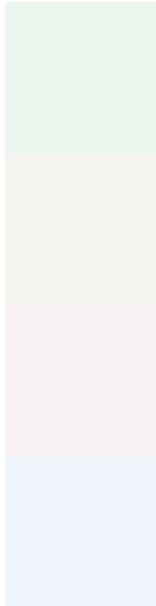
89.4038, 0.3215, 0.3261



Tritanopia

89.8464, 0.3037, 0.3171

Trichromacy



Original Color

89.5770, 0.3098, 0.3371

Protanomaly

89.4487, 0.3170, 0.3350

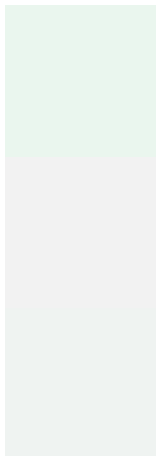
Deuteranomaly

89.6293, 0.3166, 0.3300

Tritanomaly

89.7181, 0.3059, 0.3240

Monochromacy



Original Color

89.5770, 0.3098, 0.3371

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.8028, 0.3113, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5770, 0.3098, 0.3371 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, 246, 238)` looks like.

```
.text, #text, p{  
    color:rgb(234, 246, 238)  
}
```

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, 246, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 246, 238) }
```

Border

The CSS property to change the border of an element to Yxy 89.5770, 0.3098, 0.3371 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, 246, 238) }
```

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

```
.border{ border-color:rgb(234, 246, 238) }
```

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

Here you see how a box with a 4 pixel rgb(234, 246, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 246, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 246, 238);  
box-shadow:4px 4px 4px 4px rgb(234, 246,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5770, 0.3098, 0.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 246, 238) }
```

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

```
.background{ background-color: rgb(234,  
246, 238) }
```

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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