

# Converting Colors

$Yxy(87.9535, 0.3096, 0.3353)$

Have a look what the booklet for  
Yxy(87.9535, 0.3096, 0.3353)  
contains.

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# Color

**Yxy(88.1394, 0.3098, 0.3361)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E9F4ED
RGB	233, 244, 237
RGB Percent	91%, 96%, 93%
CMY	0.0863, 0.0431, 0.0705
CMYK	0.05, 0.00, 0.03, 0.04
HSL	142°, 33%, 94%
HSV	142°, 5%, 96%
XYZ	81.2424, 88.1394, 92.8597
YIQ	239.9130, -4.3090, -4.5090

# Conversions

## Conversions Part 2

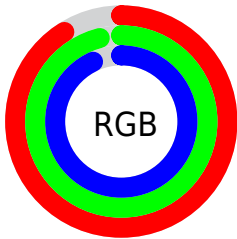
Format	Color
R <sub>Y</sub> B	233, 241, 244
Decimal	15332589
CIE Lab	95.22, -4.88, 2.09
CIE LCh	95, 5.308, 156.772
Yxy	88.1394, 0.3098, 0.3361
Android (android.graphics.Color)	4293522669 (0xFFE9F4ED)
YUV	239.9130, -1.4361, -6.0627
Hunter-Lab	93.8826, -9.8274, 7.0738

# Details

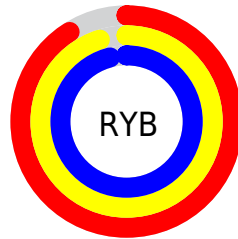
The Yxy color **88.1394, 0.3098, 0.3361** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.8039, 0.3157, 0.3220**, and the grayscale version is **87.0829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.6497, 0.3090, 0.3382** is the 20% darker color. If you saturate the color by 10%, you get **83.4488, 0.3034, 0.3533**, and if you desaturate by 10%, it is **93.0252, 0.3147, 0.3208**.

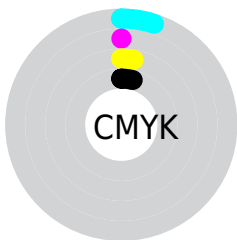
# Distribution



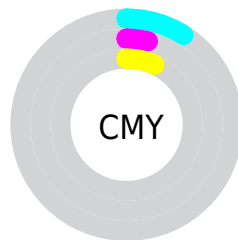
- Red (91%)
- Green (96%)
- Blue (93%)



- Red (91%)
- Yellow (95%)
- Blue (96%)



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




- Cyan (9%)
- Magenta (4%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.1394, 0.3098, 0.3361 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 88.1394, 0.3098, 0.3361 by changing the saturation by 10% instead.



 88.1394, 0.3098,  
0.3361

 88.1394, 0.3098,  
0.3361

521.9596, 0.3111,  
0.3329

 66.4385, 0.3095,  
0.3368

144.7512, 0.3103,  
0.3350

 48.6285, 0.3091,  
0.3377

180.4309, 0.3104,  
0.3346

 34.3249, 0.3087,  
0.3388

221.5391, 0.3106,  
0.3342

 23.1433, 0.3081,  
0.3401

268.4600, 0.3107,  
0.3339

 14.6993, 0.3074,  
0.3420

321.5781, 0.3108,  
0.3336

 8.6086, 0.3063,  
0.3446

381.2779, 0.3109,

 4.4868, 0.3047,

0.3333

0.3485

447.9436, 0.3110,  
0.3331

■ 1.9494, 0.3020,  
0.3549

■ 0.5778, 0.2885,  
0.3876

■ 88.1394, 0.3098,  
0.3361

■ 88.1394, 0.3098,  
0.3361

■ 83.4488, 0.3034,  
0.3533

■ 93.0252, 0.3147,  
0.3208

■ 79.3754, 0.2971,  
0.3725

■ 93.1840, 0.3132,  
0.3185

■ 75.8964, 0.2914,  
0.3938

■ 72.9828, 0.2863,  
0.4168

■ 70.6034, 0.2824,  
0.4411

■ 68.7238, 0.2799,  
0.4660

■ 67.3054, 0.2791,  
0.4908

■ 66.3036, 0.2802,  
0.5143

■ 65.6642, 0.2830,  
0.5355

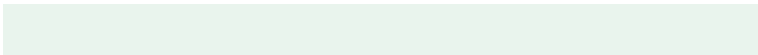
# Harmonies

## Analogous

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



88.1394, 0.3159, 0.3390



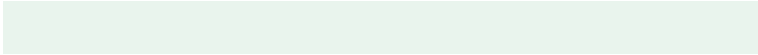
88.1394, 0.3098, 0.3361



88.1394, 0.3046, 0.3312

# Triad

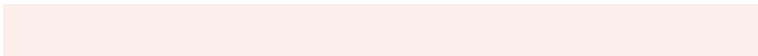
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.1394, 0.3098, 0.3361



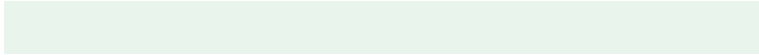
88.1394, 0.3043, 0.3189



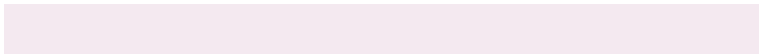
88.1394, 0.3241, 0.3321

# Complementary

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



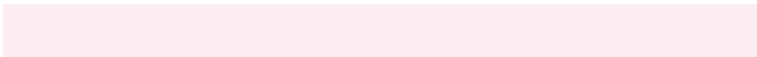
88.1394, 0.3098, 0.3361



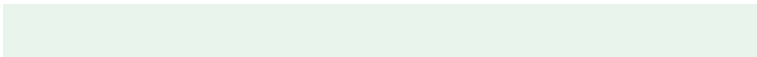
83.8039, 0.3157, 0.3220

# 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.



88.1394, 0.3209, 0.3268



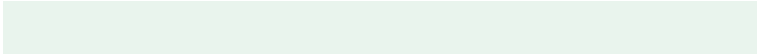
88.1394, 0.3098, 0.3361



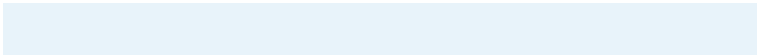
88.1394, 0.3095, 0.3192

# Square

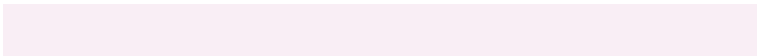
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



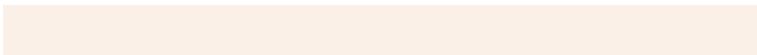
88.1394, 0.3098, 0.3361



88.1394, 0.3014, 0.3213



88.1394, 0.3156, 0.3221



88.1394, 0.3241, 0.3366



# Rectangle

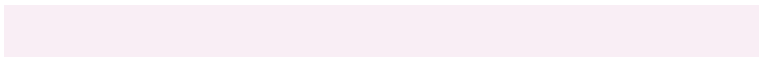
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



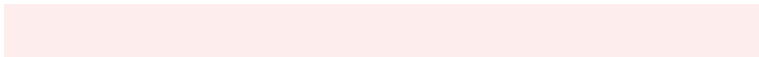
88.1394, 0.3098, 0.3361



88.1394, 0.3022, 0.3276



88.1394, 0.3156, 0.3221



88.1394, 0.3233, 0.3303

# Sweetspot

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



88.1432, 0.3098, 0.3361



99.4156, 0.3121, 0.3305



89.1395, 0.3168, 0.3401



21.2852, 0.3121, 0.3305



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

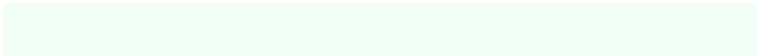


# Same Dimension

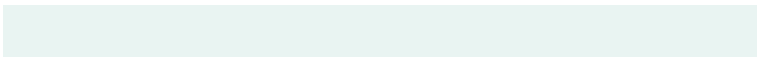
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.1432, 0.3098, 0.3361



97.1506, 0.3095, 0.3369



88.4601, 0.3066, 0.3307



18.9678, 0.3090, 0.3380



35.5966, 0.2842, 0.5430

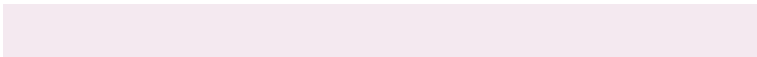


3.1476, 0.2772, 0.5178



# Inverse Universe

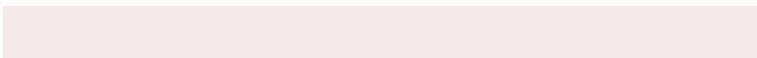
The Inverse Universe completely reimagines the original color for something new.



83.8039, 0.3157, 0.3220



91.8375, 0.3161, 0.3212



83.4911, 0.3191, 0.3274



17.7904, 0.3166, 0.3201



11.7730, 0.4397, 0.2196

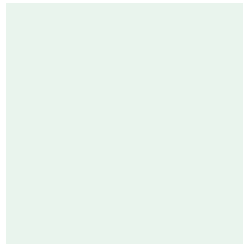


1.0544, 0.4209, 0.2092



# Previews

## White Background



This preview shows how the Yxy color 88.1394, 0.3098, 0.3361 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

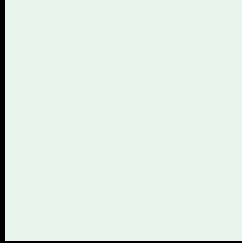
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.1394, 0.3098, 0.3361 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

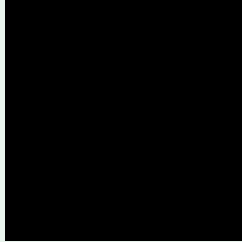
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

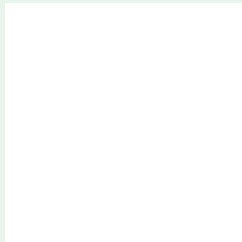
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.1394, 0.3098, 0.3361**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.1394, 0.3098, 0.3361.

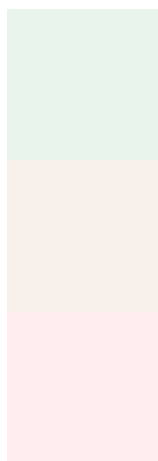


This preview shows how white text looks on a background with the Yxy color 88.1394, 0.3098, 0.3361.

# 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

88.1394, 0.3098, 0.3361

### Protanopia

88.0925, 0.3204, 0.3340

### Deuteranopia

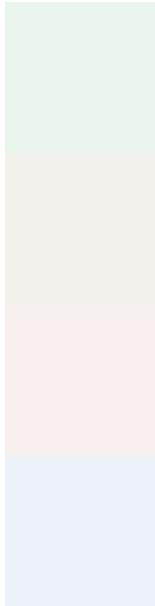
88.1196, 0.3229, 0.3261



## Tritanopia

88.3077, 0.3025, 0.3151

# Trichromacy



## Original Color

88.1394, 0.3098, 0.3361

## Protanomaly

87.8440, 0.3164, 0.3340

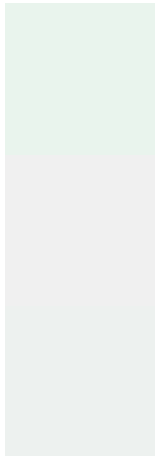
## Deuteranomaly

88.3263, 0.3179, 0.3300

## Tritanomaly

88.1144, 0.3053, 0.3230

# Monochromacy



## Original Color

88.1394, 0.3098, 0.3361

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.1471, 0.3113, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.1394, 0.3098, 0.3361 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(233, 244, 237)` looks like.

```
.text, #text, p{  
    color:rgb(233, 244, 237)  
}
```

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(233, 244, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 244, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 88.1394, 0.3098, 0.3361 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(233, 244, 237) }
```

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

```
.border{ border-color:rgb(233, 244, 237) }
```

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

Here you see how a box with a 4 pixel rgb(233, 244, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 244, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 244, 237);  
box-shadow:4px 4px 4px 4px rgb(233, 244,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.1394, 0.3098, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 244, 237) }
```

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

```
.background{ background-color: rgb(233,  
244, 237) }
```

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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