

# Converting Colors

Yxy(89.7637, 0.3168, 0.3339)

Have a look what the booklet for  
Yxy(89.7637, 0.3168, 0.3339)  
contains.

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# Color

**Yxy(89.6867, 0.3170, 0.3340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F3EE
RGB	245, 243, 238
RGB Percent	96%, 95%, 93%
CMY	0.0395, 0.0470, 0.0667
CMYK	0.00, 0.01, 0.03, 0.04
HSL	43°, 26%, 95%
HSV	43°, 3%, 96%
XYZ	85.1218, 89.6867, 93.7145
YIQ	243.0280, 2.7970, -1.1310

# Conversions

## Conversions Part 2

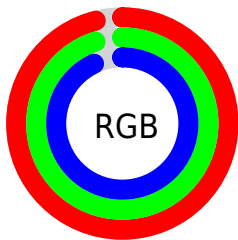
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 245, 238
Decimal	16118766
CIE Lab	95.87, -0.23, 2.63
CIE LCh	96, 2.639, 95.032
Yxy	89.6867, 0.3170, 0.3340
Android (android.graphics.Color)	4294308846 (0xFF5F3EE)
YUV	243.0280, -2.4788, 1.7294
Hunter-Lab	94.7031, -5.2895, 7.6210

# Details

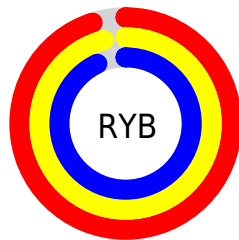
The Yxy color **89.6867, 0.3170, 0.3340** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.0330, 0.3084, 0.3239**, and the grayscale version is **89.6652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7369, 0.3183, 0.3354** is the 20% darker color. If you saturate the color by 10%, you get **84.3870, 0.3331, 0.3523**, and if you desaturate by 10%, it is **94.8459, 0.3067, 0.3239**.

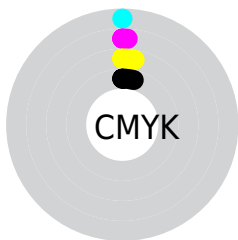
# Distribution



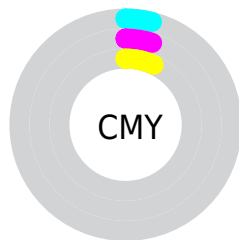
- Red (96%)
- Green (95%)
- Blue (93%)



- Red (95%)
- Yellow (96%)
- Blue (93%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (4%)




- Cyan (4%)
- Magenta (5%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.6867, 0.3170, 0.3340 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 89.6867, 0.3170, 0.3340 by changing the saturation by 10% instead.



 89.6867, 0.3170,  
0.3340

 89.6867, 0.3170,  
0.3340


527.0112, 0.3151,  
0.3318

 67.7208, 0.3174,  
0.3345

146.9031, 0.3164,  
0.3332

 49.6706, 0.3179,  
0.3351


182.9225, 0.3161,  
0.3329

 35.1518, 0.3186,  
0.3358


224.3951, 0.3159,  
0.3327

 23.7798, 0.3194,  
0.3368

271.7054, 0.3157,  
0.3325

 15.1704, 0.3205,  
0.3380

325.2377, 0.3155,  
0.3323

 8.9390, 0.3219,  
0.3398

385.3766, 0.3154,

 4.7014, 0.3241,

0.3321

452.5062, 0.3152,  
0.3319

0.3424

■ 2.0732, 0.3277,  
0.3466

■ 0.6495, 0.3428,  
0.3640

■ 89.6867, 0.3170,  
0.3340

■ 89.6867, 0.3170,  
0.3340

■ 84.3870, 0.3331,  
0.3523

■ 94.8459, 0.3067,  
0.3239

■ 79.4178, 0.3505,  
0.3712

■ 98.1404, 0.3065,  
0.3290

■ 74.7733, 0.3692,  
0.3903

■ 70.4426, 0.3886,  
0.4089

■ 66.4144, 0.4082,  
0.4260

■ 62.6762, 0.4273,  
0.4406

■ 59.2141, 0.4448,  
0.4515

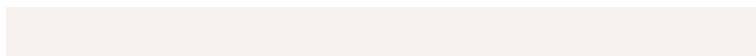
■ 56.0125, 0.4600,  
0.4579

■ 53.0526, 0.4722,  
0.4593

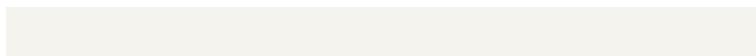
# Harmonies

## Analogous

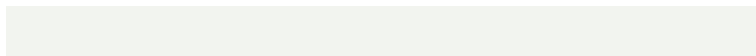
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6867, 0.3184, 0.3327



89.6867, 0.3170, 0.3340



89.6867, 0.3145, 0.3340

# Triad

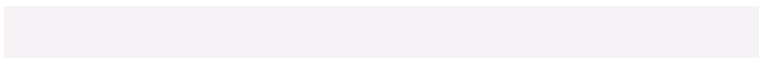
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6867, 0.3170, 0.3340



89.6867, 0.3072, 0.3276



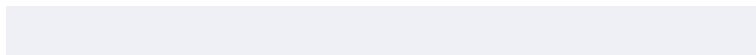
89.6867, 0.3140, 0.3255

# Complementary

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



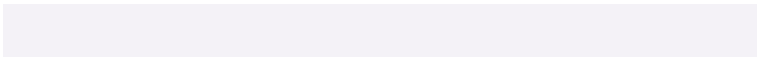
89.6867, 0.3170, 0.3340



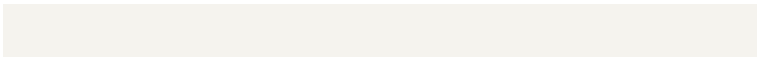
87.0330, 0.3084, 0.3239

# Split Complementary

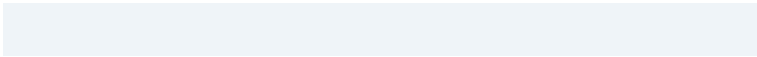
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.6867, 0.3110, 0.3241



89.6867, 0.3170, 0.3340



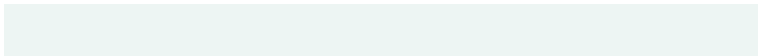
89.6867, 0.3071, 0.3253

# Square

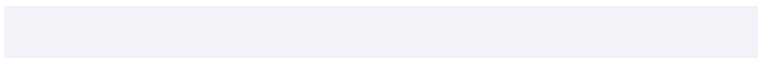
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



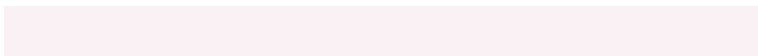
89.6867, 0.3170, 0.3340



89.6867, 0.3088, 0.3303



89.6867, 0.3085, 0.3241



89.6867, 0.3166, 0.3278



# Rectangle

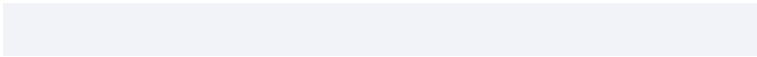
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



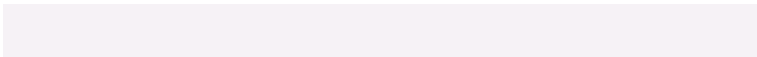
89.6867, 0.3170, 0.3340



89.6867, 0.3125, 0.3332



89.6867, 0.3085, 0.3241



89.6867, 0.3130, 0.3249

# Sweetspot

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



89.6906, 0.3170, 0.3340



99.3900, 0.3142, 0.3308



86.8404, 0.3161, 0.3271



21.2800, 0.3141, 0.3307



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

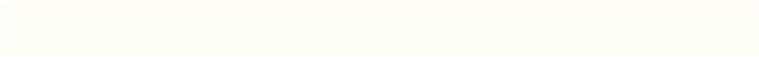


# Same Dimension

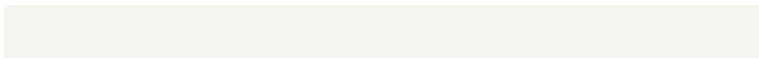
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6906, 0.3170, 0.3340



98.1814, 0.3173, 0.3343



90.5691, 0.3159, 0.3359



19.1507, 0.3185, 0.3357



27.7673, 0.4780, 0.4586

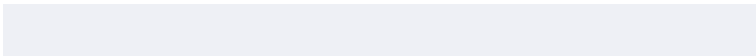


2.6117, 0.4690, 0.4658

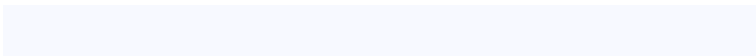


# Inverse Universe

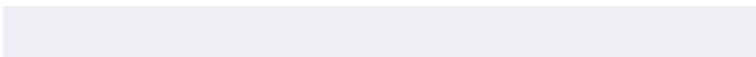
The Inverse Universe completely reimagines the original color for something new.



87.0330, 0.3084, 0.3239



95.0907, 0.3082, 0.3236



86.1778, 0.3095, 0.3220



18.3902, 0.3070, 0.3222



5.9382, 0.1595, 0.0940

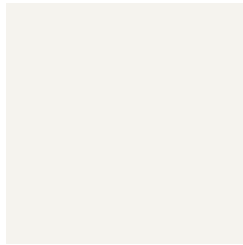


0.6868, 0.1661, 0.1179



# Previews

## White Background



This preview shows how the Yxy color 89.6867, 0.3170, 0.3340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

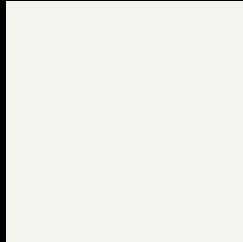
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.6867, 0.3170, 0.3340 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

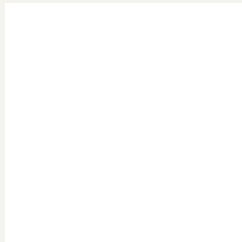
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.6867, 0.3170, 0.3340**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.6867, 0.3170, 0.3340.

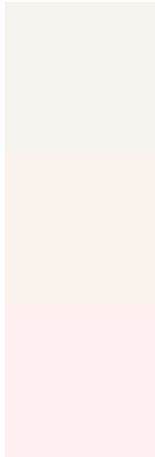


This preview shows how white text looks on a background with the Yxy color 89.6867, 0.3170, 0.3340.

# 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

89.6867, 0.3170, 0.3340

### Protanopia

89.7584, 0.3204, 0.3340

### Deuteranopia

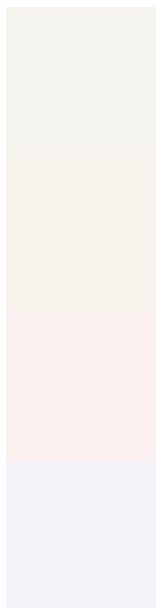
89.3439, 0.3221, 0.3271



## Tritanopia

89.9048, 0.3082, 0.3153

# Trichromacy



## Original Color

89.6867, 0.3170, 0.3340

## Protanomaly

89.5751, 0.3197, 0.3340

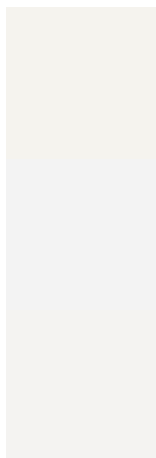
## Deuteranomaly

89.1207, 0.3200, 0.3290

## Tritanomaly

89.9366, 0.3111, 0.3221

# Monochromacy



## Original Color

89.6867, 0.3170, 0.3340

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

89.6852, 0.3146, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.6867, 0.3170, 0.3340 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(245, 243, 238)` looks like.

```
.text, #text, p{  
    color:rgb(245, 243, 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(245, 243, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 243, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 89.6867, 0.3170, 0.3340 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(245, 243, 238) }
```

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

```
.border{ border-color:rgb(245, 243, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 243, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 243, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 243, 238);  
box-shadow:4px 4px 4px 4px rgb(245, 243,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.6867, 0.3170, 0.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 243, 238) }
```

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

```
.background{ background-color: rgb(245,  
243, 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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