

# Converting Colors

Yxy(87.4747, 0.3124, 0.3244)

Have a look what the booklet for  
Yxy(87.4747, 0.3124, 0.3244)  
contains.

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# Color

**Yxy(87.3193, 0.3123, 0.3240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3EFF4
RGB	243, 239, 244
RGB Percent	95%, 94%, 96%
CMY	0.0470, 0.0628, 0.0431
CMYK	0.00, 0.02, 0.00, 0.04
HSL	288°, 19%, 95%
HSV	288°, 2%, 96%
XYZ	84.1661, 87.3193, 98.0186
YIQ	240.7660, 0.7790, 2.4030

# Conversions

## Conversions Part 2

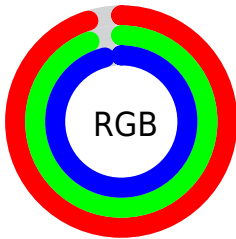
Format	Color
<a href="#">RYB</a>	<a href="#">243, 239, 244</a>
Decimal	<a href="#">15986676</a>
CIELab	<a href="#">94.87, 2.24, -1.95</a>
CIELCh	<a href="#">95, 2.970, 318.908</a>
Yxy	<a href="#">87.3193, 0.3123, 0.3240</a>
Android (android.graphics.Color)	<a href="#">4294176756</a> ( <a href="#">0xFFFF3EFF4</a> )
YUV	<a href="#">240.7660, 1.5944, 1.9592</a>
Hunter-Lab	<a href="#">93.4448, -2.7527, 3.2193</a>

# Details

The Yxy color **87.3193, 0.3123, 0.3240** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.4665, 0.3131, 0.3340**, and the grayscale version is **87.7619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0626, 0.3122, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **73.1415, 0.3100, 0.2989**, and if you desaturate by 10%, it is **97.9800, 0.3146, 0.3397**.

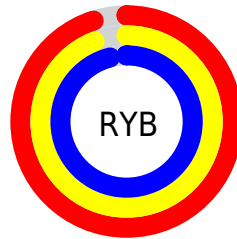
# Distribution



Red (95%)

Green (94%)

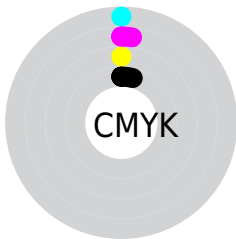
Blue (96%)



Red (95%)

Yellow (94%)

Blue (96%)

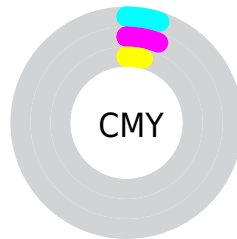


Cyan (0%)

Magenta (2%)

Yellow (0%)

Black (4%)



Cyan (5%)

Magenta (6%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.3193, 0.3123, 0.3240 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 87.3193, 0.3123, 0.3240 by changing the saturation by 10% instead.



 87.3193, 0.3123,  
0.3240

 87.3193, 0.3123,  
0.3240


519.2715, 0.3125,  
0.3262

 65.7595, 0.3123,  
0.3235

143.6091, 0.3124,  
0.3248

 48.0772, 0.3122,  
0.3229


179.1079, 0.3124,  
0.3251

 33.8880, 0.3121,  
0.3222


220.0218, 0.3124,  
0.3253

 22.8076, 0.3120,  
0.3212

266.7351, 0.3124,  
0.3256

 14.4515, 0.3119,  
0.3199

319.6324, 0.3125,  
0.3258

 8.4353, 0.3118,  
0.3182

379.0980, 0.3125,

 4.3748, 0.3115,

0.3259

0.3156

445.5162, 0.3125,  
0.3261

■ 1.8853, 0.3111,  
0.3113

■ 0.5395, 0.3099,  
0.2947

■ 87.3193, 0.3123,  
0.3240

■ 87.3193, 0.3123,  
0.3240

■ 73.1415, 0.3100,  
0.2989

■ 97.9800, 0.3146,  
0.3397

■ 60.8343, 0.3072,  
0.2727

■ 98.8704, 0.3176,  
0.3396

■ 50.3194, 0.3038,  
0.2461

■ 99.3127, 0.3191,  
0.3395

■ 41.5086, 0.2998,  
0.2199

■ 34.3062, 0.2954,  
0.1953

■ 28.6071, 0.2905,  
0.1732

■ 24.2932, 0.2853,  
0.1547

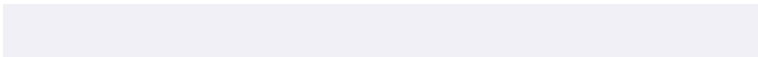
■ 21.2288, 0.2800,  
0.1406

■ 19.2503, 0.2747,  
0.1312

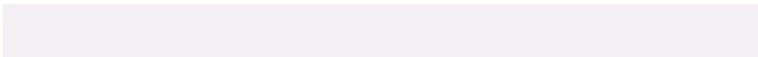
# Harmonies

## Analogous

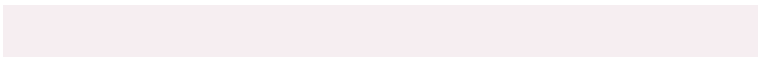
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3193, 0.3091, 0.3232



87.3193, 0.3123, 0.3240



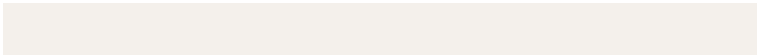
87.3193, 0.3156, 0.3261

# Triad

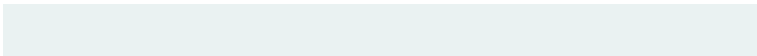
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.3193, 0.3123, 0.3240



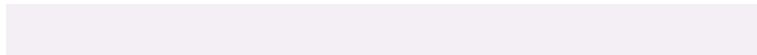
87.3193, 0.3186, 0.3340



87.3193, 0.3073, 0.3290

# Complementary

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



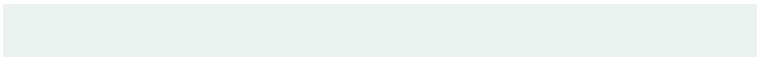
87.3193, 0.3123, 0.3240



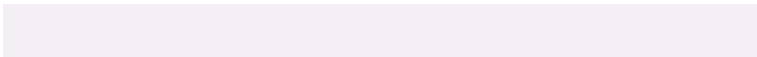
89.4665, 0.3131, 0.3340

# 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.



87.3193, 0.3098, 0.3320



87.3193, 0.3123, 0.3240



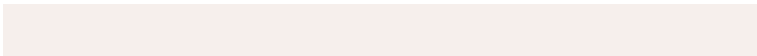
87.3193, 0.3164, 0.3349

# Square

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



87.3193, 0.3123, 0.3240



87.3193, 0.3193, 0.3319



87.3193, 0.3131, 0.3341

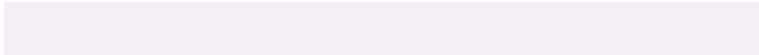


87.3193, 0.3062, 0.3261

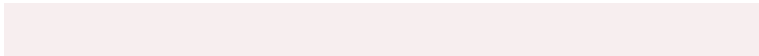


# Rectangle

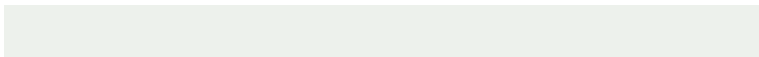
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



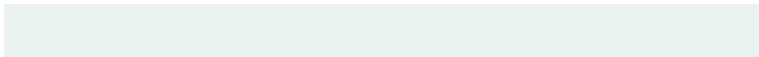
87.3193, 0.3123, 0.3240



87.3193, 0.3175, 0.3280



87.3193, 0.3131, 0.3341



87.3193, 0.3080, 0.3301

# Sweetspot

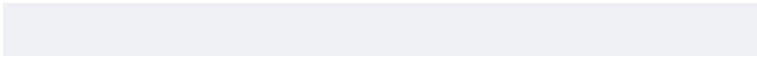
The Sweet Spot groups the original color and five complimentary colors.



87.3231, 0.3123, 0.3240



98.2885, 0.3125, 0.3266



87.2033, 0.3096, 0.3250



21.0558, 0.3125, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

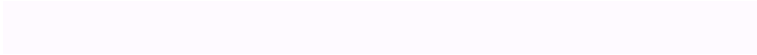


# Same Dimension

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



87.3231, 0.3123, 0.3240



96.5988, 0.3123, 0.3241



87.4086, 0.3139, 0.3255



18.9680, 0.3123, 0.3244



9.9817, 0.2714, 0.1269

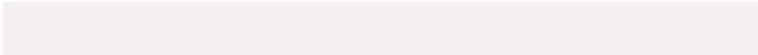


0.9184, 0.2779, 0.1305



# Inverse Universe

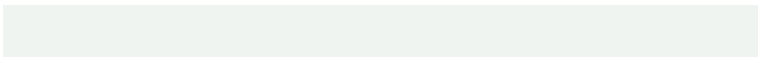
The Inverse Universe completely reimagines the original color for something new.



87.2576, 0.3154, 0.3280



96.5282, 0.3154, 0.3280



89.3830, 0.3116, 0.3325



18.9549, 0.3152, 0.3281



10.5897, 0.6083, 0.3125

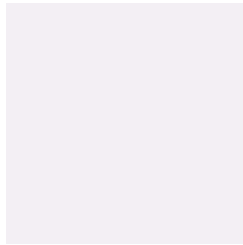


0.9446, 0.5752, 0.2942



# Previews

## White Background



This preview shows how the Yxy color 87.3193, 0.3123, 0.3240 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 87.3193, 0.3123, 0.3240 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

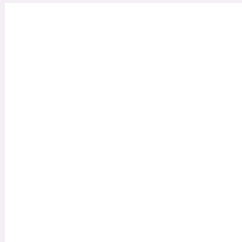
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.3193, 0.3123, 0.3240**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.3193, 0.3123, 0.3240.

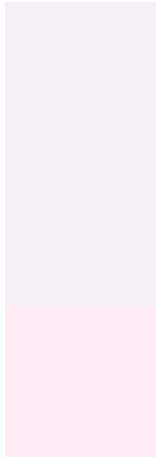


This preview shows how white text looks on a background with the Yxy color 87.3193, 0.3123, 0.3240.

# 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

87.3193, 0.3123, 0.3240

### Protanopia

87.3193, 0.3123, 0.3240

### Deuteranopia

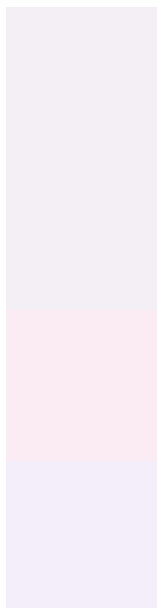
87.2083, 0.3205, 0.3203



## Tritanopia

87.2009, 0.3070, 0.3113

# Trichromacy



## Original Color

87.3193, 0.3123, 0.3240

## Protanomaly

87.3193, 0.3123, 0.3240

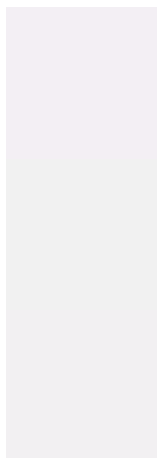
## Deuteranomaly

87.0318, 0.3178, 0.3212

## Tritanomaly

87.3472, 0.3087, 0.3162

# Monochromacy



## Original Color

87.3193, 0.3123, 0.3240

## Achromatopsia

87.9622, 0.3127, 0.3290

## Achromatomaly

87.6082, 0.3128, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.3193, 0.3123, 0.3240 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(243, 239, 244)` looks like.

```
.text, #text, p{  
    color:rgb(243, 239, 244)  
}
```

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(243, 239, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 239, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 87.3193, 0.3123, 0.3240 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(243, 239, 244) }
```

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

```
.border{ border-color:rgb(243, 239, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 239, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 239, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 239, 244);  
box-shadow:4px 4px 4px 4px rgb(243, 239,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.3193, 0.3123, 0.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 239, 244) }
```

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

```
.background{ background-color: rgb(243,  
239, 244) }
```

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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