

# Converting Colors

Yxy(84.2476, 0.3079, 0.3179)

Have a look what the booklet for  
Yxy(84.2476, 0.3079, 0.3179)  
contains.

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# Color

**Yxy(84.2476, 0.3079, 0.3179)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEEEBF6
RGB	238, 235, 246
RGB Percent	93%, 92%, 96%
CMY	0.0668, 0.0784, 0.0352
CMYK	0.03, 0.04, 0.00, 0.04
HSL	256°, 38%, 94%
HSV	256°, 4%, 96%
XYZ	81.5975, 84.2476, 99.1678
YIQ	237.1510, -1.7430, 4.0570

# Conversions

## Conversions Part 2

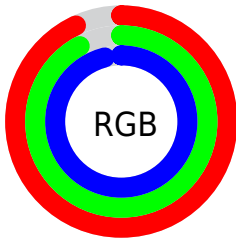
Format	Color
R <sub>Y</sub> B	238, 235, 246
Decimal	15657974
CIE Lab	93.56, 2.97, -4.97
CIE LCh	94, 5.794, 300.888
Yxy	84.2476, 0.3079, 0.3179
Android (android.graphics.Color)	4293848054 (0xFFEEEEBF6)
YUV	237.1510, 4.3626, 0.7446
Hunter-Lab	91.7865, -1.9413, 0.1925

# Details

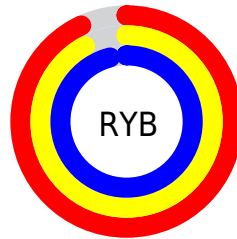
The Yxy color  $84.2476, 0.3079, 0.3179$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $90.9920, 0.3174, 0.3400$ , and the grayscale version is  $84.7773, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $45.9030, 0.3066, 0.3148$  is the 20% darker color. If you saturate the color by 10%, you get  $68.1628, 0.2959, 0.2911$ , and if you desaturate by 10%, it is  $99.4353, 0.3179, 0.3376$ .

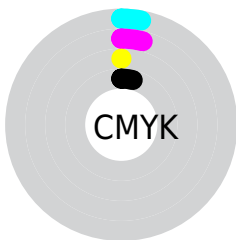
# Distribution



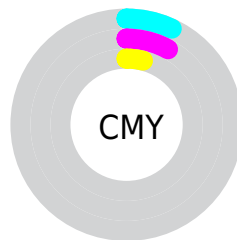
- Red (93%)
- Green (92%)
- Blue (96%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2476, 0.3079, 0.3179 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 84.2476, 0.3079, 0.3179 by changing the saturation by 10% instead.



84.2476, 0.3079,  
0.3179

84.2476, 0.3079,  
0.3179

509.1351, 0.3101,  
0.3229

63.2199, 0.3074,  
0.3168

139.3215, 0.3087,  
0.3196

46.0191, 0.3068,  
0.3155

174.1364, 0.3089,  
0.3203

32.2609, 0.3061,  
0.3138

214.3159, 0.3092,  
0.3208

21.5609, 0.3051,  
0.3116

260.2443, 0.3094,  
0.3214

13.5346, 0.3038,  
0.3088

312.3060, 0.3096,  
0.3218

7.7977, 0.3020,  
0.3048

370.8855, 0.3098,

3.9658, 0.2992,

0.3222

0.2989

436.3670, 0.3099,  
0.3226

■ 1.6544, 0.2945,  
0.2892

■ 0.3939, 0.2764,  
0.2435

■ 84.2476, 0.3079,  
0.3179

■ 84.2476, 0.3079,  
0.3179

■ 68.1628, 0.2959,  
0.2911

■ 99.4353, 0.3179,  
0.3376

■ 54.2454, 0.2822,  
0.2616

■ 42.4046, 0.2667,  
0.2300

■ 32.5390, 0.2498,  
0.1971

■ 24.5382, 0.2320,  
0.1644

■ 18.2812, 0.2141,  
0.1337

■ 13.6319, 0.1972,  
0.1071

■ 10.4333, 0.1823,  
0.0866

■ 8.4948, 0.1703,  
0.0732

# Harmonies

## Analogous

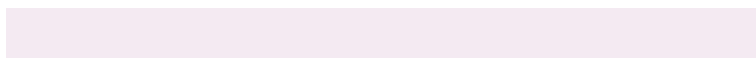
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2476, 0.3026, 0.3182



84.2476, 0.3079, 0.3179



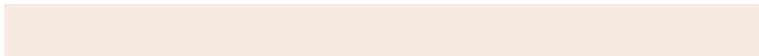
84.2476, 0.3146, 0.3205

# Triad

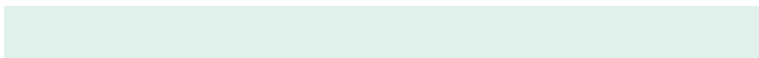
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2476, 0.3079, 0.3179



84.2476, 0.3257, 0.3366



84.2476, 0.3047, 0.3326

# Complementary

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



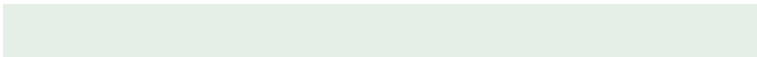
84.2476, 0.3079, 0.3179



90.9920, 0.3174, 0.3400

# Split Complementary

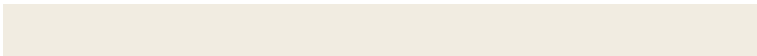
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2476, 0.3108, 0.3377



84.2476, 0.3079, 0.3179



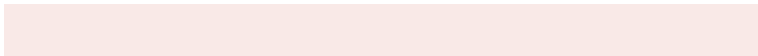
84.2476, 0.3229, 0.3399

# Square

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



84.2476, 0.3079, 0.3179



84.2476, 0.3249, 0.3312



84.2476, 0.3175, 0.3404



84.2476, 0.3007, 0.3266



# Rectangle

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



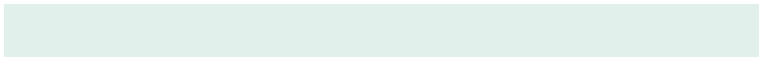
84.2476, 0.3079, 0.3179



84.2476, 0.3189, 0.3236



84.2476, 0.3175, 0.3404



84.2476, 0.3065, 0.3345

# Sweetspot

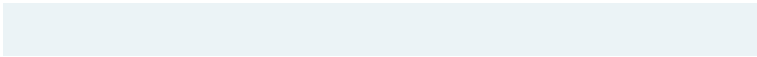
The Sweet Spot groups the original color and five complimentary colors.



84.2512, 0.3079, 0.3179



98.0317, 0.3117, 0.3266



88.4735, 0.3058, 0.3260



21.0036, 0.3117, 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.



84.2512, 0.3079, 0.3179



90.4070, 0.3073, 0.3165



85.2151, 0.3115, 0.3180



17.4732, 0.3065, 0.3148



4.2291, 0.1664, 0.0691



0.4201, 0.1790, 0.0760



# Inverse Universe

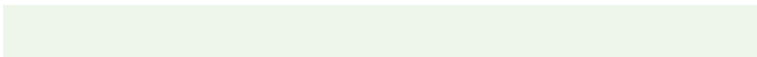
The Inverse Universe completely reimagines the original color for something new.



85.4964, 0.3151, 0.3210



91.9147, 0.3154, 0.3200



90.0301, 0.3138, 0.3401



17.8076, 0.3157, 0.3188



12.2404, 0.4030, 0.1994

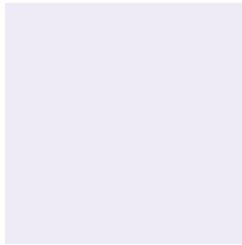


1.0929, 0.3903, 0.1924



# Previews

## White Background



This preview shows how the Yxy color 84.2476, 0.3079, 0.3179 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

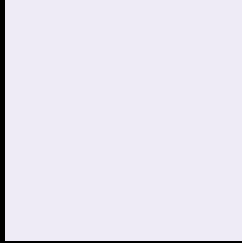
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.2476, 0.3079, 0.3179 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

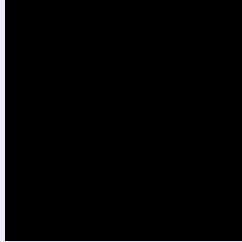
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

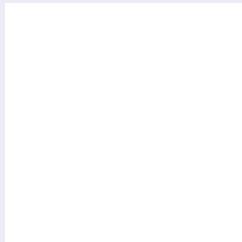
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.2476, 0.3079, 0.3179**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.2476, 0.3079, 0.3179.

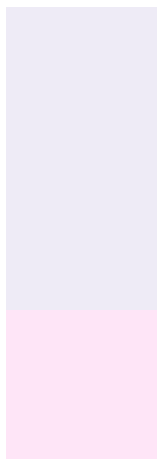


This preview shows how white text looks on a background with the Yxy color 84.2476, 0.3079, 0.3179.

# 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

84.2476, 0.3079, 0.3179

### Protanopia

84.2476, 0.3079, 0.3179

### Deuteranopia

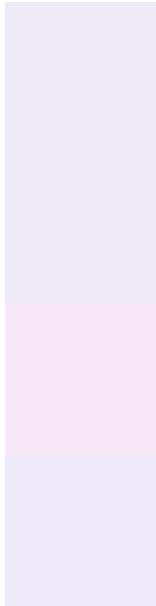
83.8249, 0.3183, 0.3114



## Tritanopia

84.2246, 0.3050, 0.3110

# Trichromacy



## Original Color

84.2476, 0.3079, 0.3179

## Protanomaly

84.2476, 0.3079, 0.3179

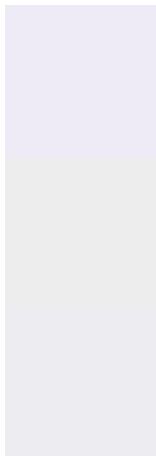
## Deuteranomaly

83.8237, 0.3141, 0.3132

## Tritanomaly

84.0985, 0.3062, 0.3130

# Monochromacy



## Original Color

84.2476, 0.3079, 0.3179

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.2867, 0.3109, 0.3249

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.2476, 0.3079, 0.3179 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(238, 235, 246)` looks like.

```
.text, #text, p{  
    color:rgb(238, 235, 246)  
}
```

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(238, 235, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 235, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 84.2476, 0.3079, 0.3179 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(238, 235, 246) }
```

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

```
.border{ border-color:rgb(238, 235, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 235, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 235, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 235, 246);  
box-shadow:4px 4px 4px 4px rgb(238, 235,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.2476, 0.3079, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 235, 246) }
```

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

```
.background{ background-color: rgb(238,  
235, 246) }
```

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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