

# Converting Colors

Yxy(86.4433, 0.3079, 0.3250)

Have a look what the booklet for  
Yxy(86.4433, 0.3079, 0.3250)  
contains.

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# Color

**Yxy(86.6847, 0.3077, 0.3250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECF0F4
RGB	236, 240, 244
RGB Percent	93%, 94%, 96%
CMY	0.0746, 0.0588, 0.0433
CMYK	0.03, 0.02, 0.00, 0.04
HSL	210°, 27%, 94%
HSV	210°, 3%, 96%
XYZ	82.0704, 86.6847, 97.9670
YIQ	239.2600, -3.6680, 0.3960

# Conversions

## Conversions Part 2

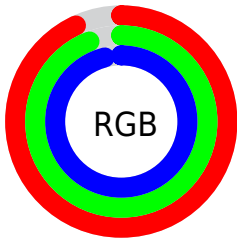
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 239, 244
Decimal	15528180
CIE Lab	94.60, -0.62, -2.38
CIE LCh	95, 2.462, 255.424
Yxy	86.6847, 0.3077, 0.3250
Android (android.graphics.Color)	4293718260 (0xFFE0F4)
YUV	239.2600, 2.3368, -2.8590
Hunter-Lab	93.1046, -5.5879, 2.7868

# Details

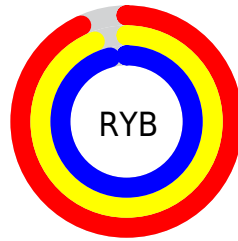
The Yxy color  $86.6847, 0.3077, 0.3250$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $87.5579, 0.3178, 0.3330$ , and the grayscale version is  $86.5114, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $47.6151, 0.3063, 0.3238$  is the 20% darker color. If you saturate the color by 10%, you get  $75.9285, 0.2920, 0.3118$ , and if you desaturate by 10%, it is  $97.4574, 0.3193, 0.3368$ .

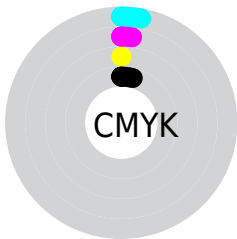
# Distribution



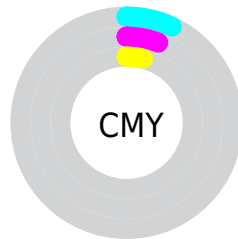
- Red (93%)
- Green (94%)
- Blue (96%)



- Red (93%)
- Yellow (94%)
- Blue (96%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)



- Cyan (7%)
- Magenta (6%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.6847, 0.3077, 0.3250 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 86.6847, 0.3077, 0.3250 by changing the saturation by 10% instead.



■ 86.6847, 0.3077,  
0.3250

■ 86.6847, 0.3077,  
0.3250

517.1862, 0.3100,  
0.3268

■ 65.2343, 0.3072,  
0.3246

142.7246, 0.3085,  
0.3256

■ 47.6511, 0.3066,  
0.3241

178.0829, 0.3088,  
0.3259

■ 33.5507, 0.3058,  
0.3235

218.8459, 0.3090,  
0.3261

■ 22.5486, 0.3049,  
0.3227

265.3981, 0.3093,  
0.3263

■ 14.2606, 0.3036,  
0.3217

318.1238, 0.3095,  
0.3264

■ 8.3021, 0.3018,  
0.3202

377.4075, 0.3096,

■ 4.2889, 0.2991,

0.3266

0.3180

443.6335, 0.3098,  
0.3267

■ 1.8364, 0.2947,  
0.3144

■ 0.5097, 0.2760,  
0.2997

■ 86.6847, 0.3077,  
0.3250

■ 86.6847, 0.3077,  
0.3250

■ 75.9285, 0.2920,  
0.3118

■ 97.4574, 0.3193,  
0.3368

■ 66.1788, 0.2757,  
0.2972

■ 99.3097, 0.3191,  
0.3396

■ 57.4052, 0.2593,  
0.2811

■ 49.5717, 0.2430,  
0.2637

■ 42.6397, 0.2273,  
0.2452

■ 36.5671, 0.2129,  
0.2260

■ 31.3078, 0.2001,  
0.2064

■ 26.8094, 0.1894,  
0.1871

■ 23.0103, 0.1812,  
0.1686

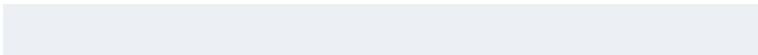
# Harmonies

## Analogous

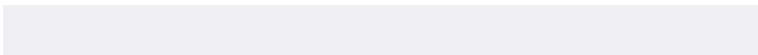
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6847, 0.3073, 0.3269



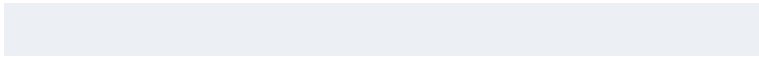
86.6847, 0.3077, 0.3250



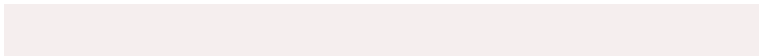
86.6847, 0.3094, 0.3242

# Triad

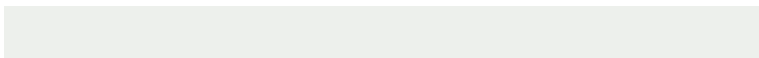
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6847, 0.3077, 0.3250



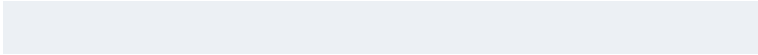
86.6847, 0.3171, 0.3287



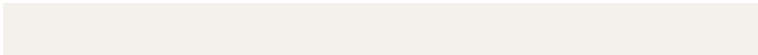
86.6847, 0.3134, 0.3334

# Complementary

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



86.6847, 0.3077, 0.3250



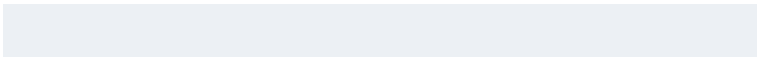
87.5579, 0.3178, 0.3330

# Split Complementary

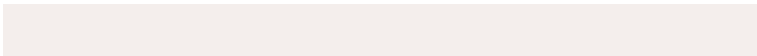
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6847, 0.3160, 0.3339



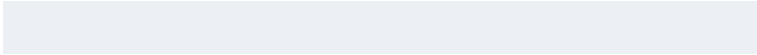
86.6847, 0.3077, 0.3250



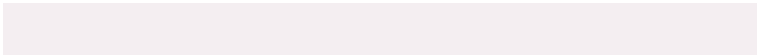
86.6847, 0.3182, 0.3311

# Square

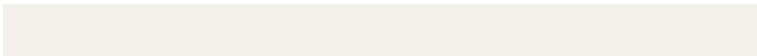
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



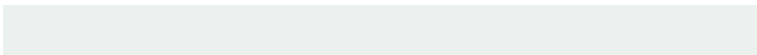
86.6847, 0.3077, 0.3250



86.6847, 0.3149, 0.3263



86.6847, 0.3178, 0.3330

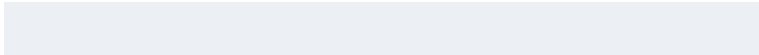


86.6847, 0.3106, 0.3317



# Rectangle

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



86.6847, 0.3077, 0.3250



86.6847, 0.3111, 0.3244



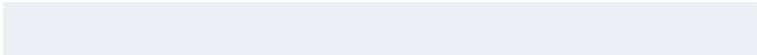
86.6847, 0.3178, 0.3330



86.6847, 0.3143, 0.3337

# Sweetspot

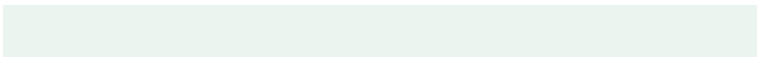
The Sweet Spot groups the original color and five complimentary colors.



86.6884, 0.3077, 0.3250



98.7181, 0.3112, 0.3278



88.7919, 0.3100, 0.3332



21.1433, 0.3113, 0.3279



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

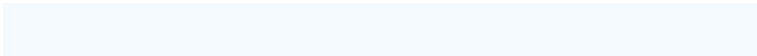


# Same Dimension

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



86.6884, 0.3077, 0.3250



94.9422, 0.3066, 0.3241



84.4110, 0.3078, 0.3210



18.4305, 0.3054, 0.3232



11.5835, 0.1777, 0.1596

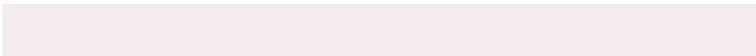


1.2237, 0.1839, 0.1821



# Inverse Universe

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



85.4957, 0.3155, 0.3250



93.3434, 0.3162, 0.3241



89.8836, 0.3175, 0.3368



18.0632, 0.3169, 0.3231



11.2687, 0.4936, 0.2493

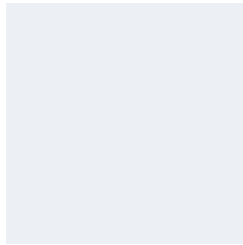


1.0112, 0.4661, 0.2341



# Previews

## White Background



This preview shows how the Yxy color 86.6847, 0.3077, 0.3250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

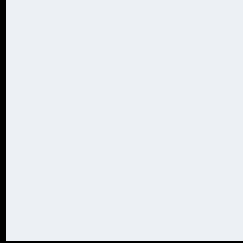
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.6847, 0.3077, 0.3250 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

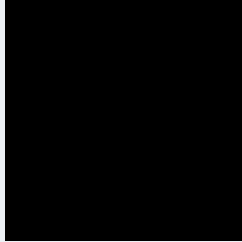
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

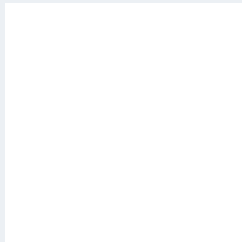
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.6847, 0.3077, 0.3250**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.6847, 0.3077, 0.3250.

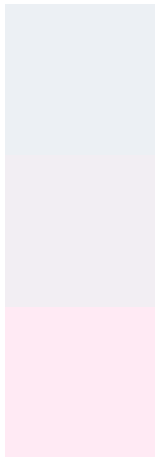


This preview shows how white text looks on a background with the Yxy color 86.6847, 0.3077, 0.3250.

# 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

86.6847, 0.3077, 0.3250

### Protanopia

86.4974, 0.3123, 0.3240

### Deuteranopia

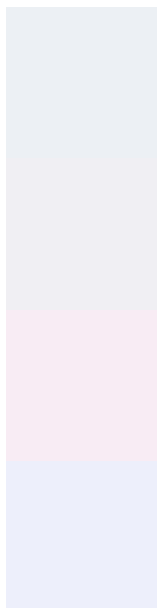
86.6373, 0.3206, 0.3193



## Tritanopia

86.5462, 0.3025, 0.3121

# Trichromacy



## Original Color

86.6847, 0.3077, 0.3250

## Protanomaly

86.7293, 0.3109, 0.3250

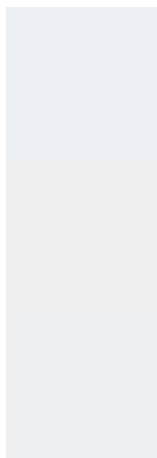
## Deuteranomaly

86.4790, 0.3158, 0.3211

## Tritanomaly

86.7026, 0.3042, 0.3170

# Monochromacy



## Original Color

86.6847, 0.3077, 0.3250

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.2610, 0.3108, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.6847, 0.3077, 0.3250 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(236, 240, 244)` looks like.

```
.text, #text, p{  
    color:rgb(236, 240, 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(236, 240, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 240, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 86.6847, 0.3077, 0.3250 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(236, 240, 244) }
```

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

```
.border{ border-color:rgb(236, 240, 244) }
```

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

Here you see how a box with a 4 pixel rgb(236, 240, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 240, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 240, 244);  
box-shadow:4px 4px 4px 4px rgb(236, 240,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.6847, 0.3077, 0.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 240, 244) }
```

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

```
.background{ background-color: rgb(236,  
240, 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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