

Converting Colors

$Yxy(86.1116, 0.3084, 0.3191)$

Have a look what the booklet for
Yxy(86.1116, 0.3084, 0.3191)
contains.

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Color

Yxy(85.8090, 0.3086, 0.3190)

Conversions

Conversions Part 1

Format	Color
Hex	F0EDF7
RGB	240, 237, 247
RGB Percent	94%, 93%, 97%
CMY	0.0587, 0.0706, 0.0314
CMYK	0.03, 0.04, 0.00, 0.03
HSL	258°, 38%, 95%
HSV	258°, 4%, 97%
XYZ	83.0115, 85.8090, 100.1733
YIQ	239.0370, -1.4220, 3.7460

Conversions

Conversions Part 2

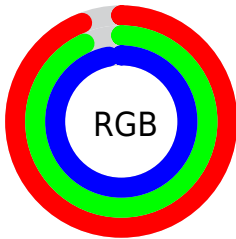
Format	Color
R _Y B	240, 237, 247
Decimal	15789559
CIE Lab	94.23, 2.80, -4.47
CIE LCh	94, 5.273, 302.127
Yxy	85.8090, 0.3086, 0.3190
Android (android.graphics.Color)	4293979639 (0xFFFF0EDF7)
YUV	239.0370, 3.9258, 0.8446
Hunter-Lab	92.6331, -2.1486, 0.7271

Details

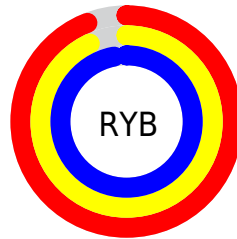
The Yxy color **85.8090, 0.3086, 0.3190** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **91.8567, 0.3167, 0.3389**, and the grayscale version is **86.3205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9997, 0.3074, 0.3162** is the 20% darker color. If you saturate the color by 10%, you get **69.6081, 0.2973, 0.2924**, and if you desaturate by 10%, it is **99.4947, 0.3174, 0.3367**.

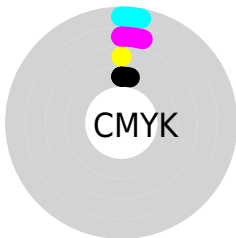
Distribution



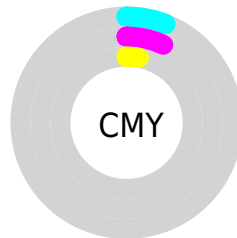
- Red (94%)
- Green (93%)
- Blue (97%)



- Red (94%)
- Yellow (93%)
- Blue (97%)



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





- Cyan (6%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8090, 0.3086, 0.3190 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 85.8090, 0.3086, 0.3190 by changing the saturation by 10% instead.

 85.8090, 0.3086,
0.3190

 85.8090, 0.3086,
0.3190


514.3012, 0.3105,
0.3235

 64.5100, 0.3082,
0.3180


141.5029, 0.3092,
0.3205

 47.0639, 0.3077,
0.3168


176.6667, 0.3095,
0.3211

 33.0862, 0.3070,
0.3153


217.2208, 0.3097,
0.3216

 22.1925, 0.3062,
0.3134


263.5498, 0.3099,
0.3221

 13.9984, 0.3051,
0.3108

316.0379, 0.3101,
0.3225

 8.1195, 0.3036,
0.3073

375.0695, 0.3102,

 4.1715, 0.3013,

0.3229

0.3021

441.0292, 0.3103,
0.3232

■ 1.7700, 0.2974,
0.2936

■ 0.4684, 0.2847,
0.2596

■ 85.8090, 0.3086,
0.3190

■ 85.8090, 0.3086,
0.3190

■ 69.6081, 0.2973,
0.2924

■ 99.4947, 0.3174,
0.3367

■ 55.5716, 0.2843,
0.2632

■ 43.6095, 0.2696,
0.2319

■ 33.6211, 0.2534,
0.1994

■ 25.4969, 0.2363,
0.1671

■ 19.1168, 0.2189,
0.1368

■ 14.3461, 0.2022,
0.1103

■ 11.0293, 0.1873,
0.0897

■ 8.9783, 0.1750,
0.0759

Harmonies

Analogous

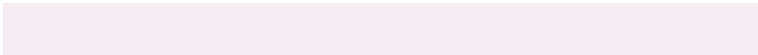
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8090, 0.3037, 0.3191



85.8090, 0.3086, 0.3190



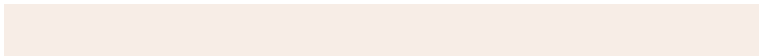
85.8090, 0.3147, 0.3215

Triad

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



85.8090, 0.3086, 0.3190



85.8090, 0.3244, 0.3360



85.8090, 0.3052, 0.3321

Complementary

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



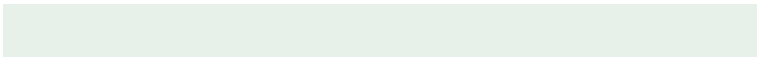
85.8090, 0.3086, 0.3190



91.8567, 0.3167, 0.3389

Split Complementary

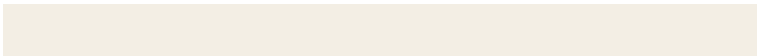
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8090, 0.3107, 0.3367



85.8090, 0.3086, 0.3190



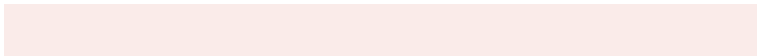
85.8090, 0.3218, 0.3390

Square

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



85.8090, 0.3086, 0.3190



85.8090, 0.3238, 0.3313



85.8090, 0.3168, 0.3393



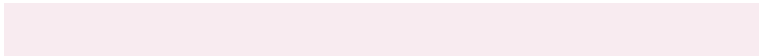
85.8090, 0.3018, 0.3266

Rectangle

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



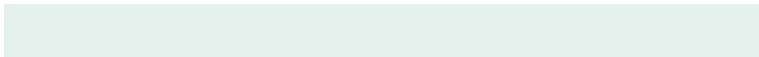
85.8090, 0.3086, 0.3190



85.8090, 0.3185, 0.3243



85.8090, 0.3168, 0.3393



85.8090, 0.3069, 0.3338

Sweetspot

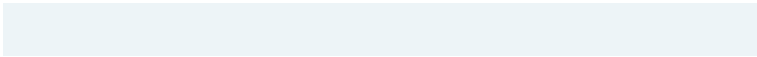
The Sweet Spot groups the original color and five complimentary colors.



85.8127, 0.3086, 0.3190



98.0480, 0.3117, 0.3266



89.4163, 0.3065, 0.3260



21.0069, 0.3118, 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.



85.8127, 0.3086, 0.3190



90.4853, 0.3076, 0.3166



86.6945, 0.3119, 0.3191



17.4905, 0.3069, 0.3148



4.4012, 0.1704, 0.0713



0.4383, 0.1836, 0.0785

Inverse Universe

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



86.8707, 0.3150, 0.3221



91.8873, 0.3156, 0.3205



90.9798, 0.3135, 0.3390



17.8015, 0.3160, 0.3193



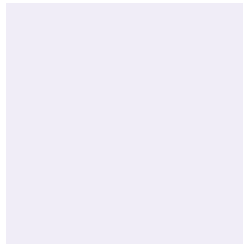
12.0653, 0.4156, 0.2063



1.0786, 0.4008, 0.1982

Previews

White Background



This preview shows how the Yxy color 85.8090, 0.3086, 0.3190 looks on a white background.

Color Contrast Check

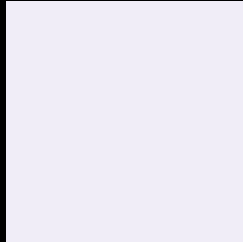
Large Text (above 18pt) WCAG AA × Fail

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 85.8090, 0.3086, 0.3190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

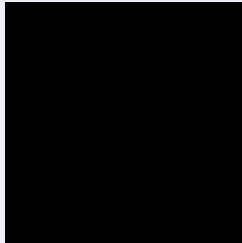
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

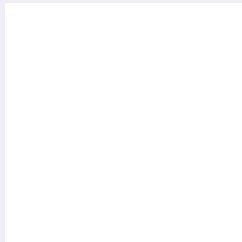
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8090, 0.3086, 0.3190

Background



This preview shows how black text looks on a background with the Yxy color 85.8090, 0.3086, 0.3190.

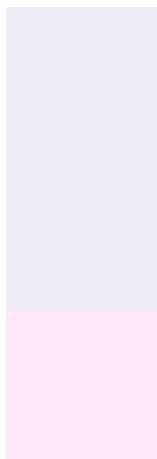


This preview shows how white text looks on a background with the Yxy color 85.8090, 0.3086, 0.3190.

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

85.8090, 0.3086, 0.3190

Protanopia

85.8090, 0.3086, 0.3190

Deuteranopia

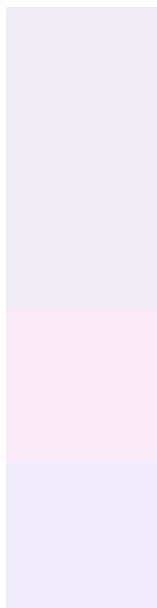
85.6886, 0.3188, 0.3144



Tritanopia

85.8474, 0.3050, 0.3111

Trichromacy



Original Color

85.8090, 0.3086, 0.3190

Protanomaly

85.8090, 0.3086, 0.3190

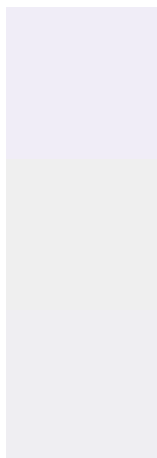
Deuteranomaly

85.8850, 0.3153, 0.3162

Tritanomaly

85.6567, 0.3068, 0.3141

Monochromacy



Original Color

85.8090, 0.3086, 0.3190

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.9106, 0.3109, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8090, 0.3086, 0.3190 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(240, 237, 247)` looks like.

```
.text, #text, p{  
    color:rgb(240, 237, 247)  
}
```

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(240, 237, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 237, 247) }
```

Border

The CSS property to change the border of an element to Yxy 85.8090, 0.3086, 0.3190 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(240, 237, 247) }
```

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

```
.border{ border-color:rgb(240, 237, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 237, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 237, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 237, 247);  
box-shadow:4px 4px 4px 4px rgb(240, 237,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8090, 0.3086, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 237, 247) }
```

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

```
.background{ background-color: rgb(240,  
237, 247) }
```

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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