

# Converting Colors

$Y_{xy}(85.7321, 0.3171, 0.3322)$

Have a look what the booklet for  
Yxy(85.7321, 0.3171, 0.3322)  
contains.

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# Color

**Yxy(85.8480, 0.3166, 0.3320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1EEEE
RGB	241, 238, 235
RGB Percent	95%, 93%, 92%
CMY	0.0546, 0.0667, 0.0784
CMYK	0.00, 0.01, 0.03, 0.05
HSL	29°, 18%, 93%
HSV	29°, 3%, 95%
XYZ	81.8659, 85.8480, 90.8644
YIQ	238.5550, 2.7510, -0.2970

# Conversions

## Conversions Part 2

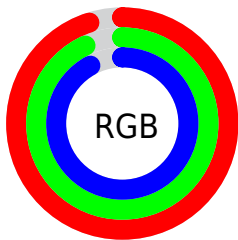
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 241, 235
Decimal	15855339
CIE Lab	94.25, 0.52, 1.79
CIE LCh	94, 1.861, 73.660
Yxy	85.8480, 0.3166, 0.3320
Android (android.graphics.Color)	4294045419 (0xFFFF1EEEB)
YUV	238.5550, -1.7526, 2.1443
Hunter-Lab	92.6542, -4.4287, 6.7132

# Details

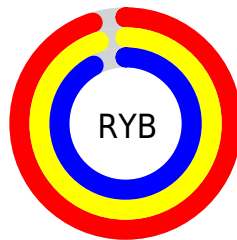
The Yxy color **85.8480, 0.3166, 0.3320** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.2333, 0.3089, 0.3260**, and the grayscale version is **85.9753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0249, 0.3177, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **77.6285, 0.3335, 0.3444**, and if you desaturate by 10%, it is **94.4852, 0.3043, 0.3244**.

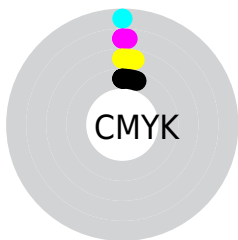
# Distribution



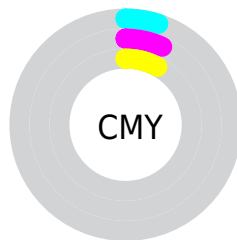
- Red (95%)
- Green (93%)
- Blue (92%)



- Red (95%)
- Yellow (95%)
- Blue (92%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (5%)




- Cyan (5%)
- Magenta (7%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8480, 0.3166, 0.3320 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 85.8480, 0.3166, 0.3320 by changing the saturation by 10% instead.



 85.8480, 0.3166,  
0.3320

 85.8480, 0.3166,  
0.3320

514.4299, 0.3149,  
0.3307

 64.5423, 0.3170,  
0.3323


141.5574, 0.3160,  
0.3315

 47.0900, 0.3175,  
0.3327


176.7298, 0.3158,  
0.3314

 33.1068, 0.3181,  
0.3331


217.2933, 0.3156,  
0.3312

 22.2083, 0.3188,  
0.3337

263.6322, 0.3154,  
0.3311

 14.0100, 0.3198,  
0.3345

316.1309, 0.3152,  
0.3310

 8.1276, 0.3212,  
0.3355

375.1738, 0.3151,

 4.1767, 0.3234,

0.3308

0.3372

441.1453, 0.3150,  
0.3307

■ 1.7729, 0.3269,  
0.3398

■ 0.4702, 0.3490,  
0.3570

■ 85.8480, 0.3166,  
0.3320

■ 85.8480, 0.3166,  
0.3320

■ 77.6285, 0.3335,  
0.3444

■ 94.4852, 0.3043,  
0.3244

■ 70.0667, 0.3528,  
0.3575

■ 97.4539, 0.3042,  
0.3290

■ 63.1484, 0.3746,  
0.3709

■ 56.8546, 0.3990,  
0.3840

■ 51.1651, 0.4256,  
0.3961

■ 46.0585, 0.4536,  
0.4060

■ 41.5117, 0.4818,  
0.4124

■ 37.4991, 0.5084,  
0.4141

■ 33.9921, 0.5315,  
0.4104

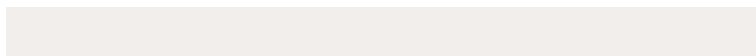
# Harmonies

## Analogous

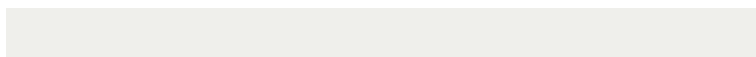
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8480, 0.3168, 0.3305



85.8480, 0.3166, 0.3320



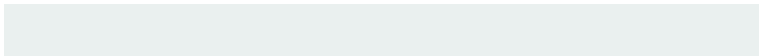
85.8480, 0.3153, 0.3327

# Triad

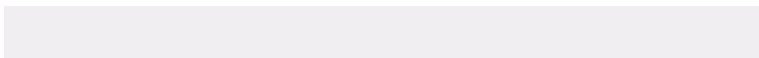
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8480, 0.3166, 0.3320



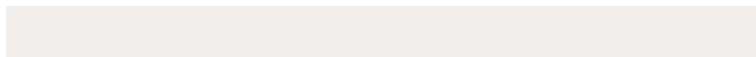
85.8480, 0.3095, 0.3294



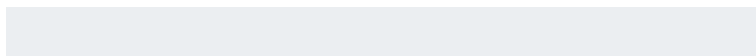
85.8480, 0.3121, 0.3257

# Complementary

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



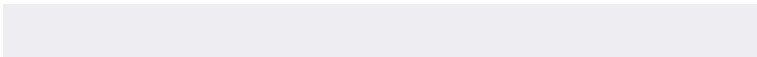
85.8480, 0.3166, 0.3320



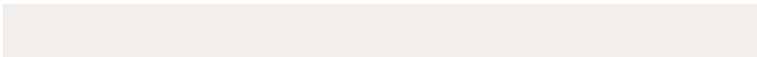
85.2333, 0.3089, 0.3260

# Split Complementary

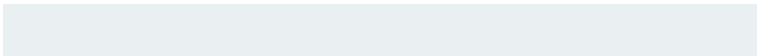
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8480, 0.3101, 0.3254



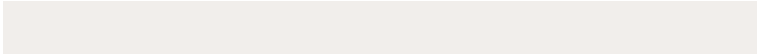
85.8480, 0.3166, 0.3320



85.8480, 0.3086, 0.3275

# Square

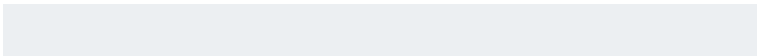
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



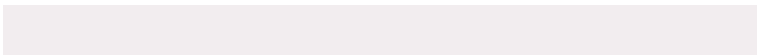
85.8480, 0.3166, 0.3320



85.8480, 0.3112, 0.3312



85.8480, 0.3089, 0.3260

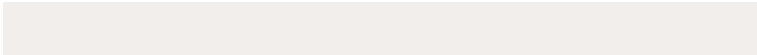


85.8480, 0.3142, 0.3269



# Rectangle

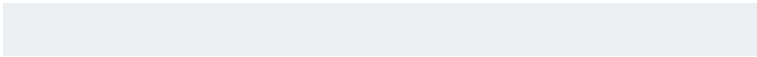
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



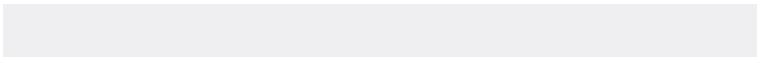
85.8480, 0.3166, 0.3320



85.8480, 0.3141, 0.3326



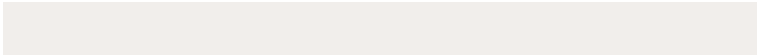
85.8480, 0.3089, 0.3260



85.8480, 0.3114, 0.3255

# Sweetspot

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



85.8517, 0.3166, 0.3320



99.0090, 0.3142, 0.3302



84.3220, 0.3148, 0.3259



21.2025, 0.3142, 0.3301



0.0000, 0.0000, 0.0000

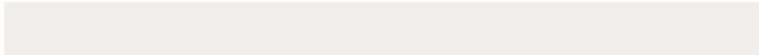


21.4041, 0.3127, 0.3290

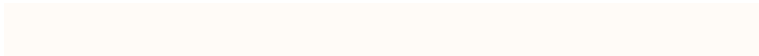


# Same Dimension

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



85.8517, 0.3166, 0.3320



97.0504, 0.3174, 0.3326



87.6081, 0.3164, 0.3350



18.0380, 0.3186, 0.3335



17.4310, 0.5437, 0.4065

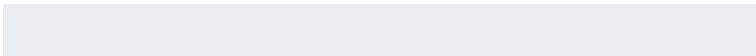


1.6487, 0.5230, 0.4229



# Inverse Universe

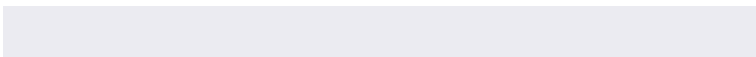
The Inverse Universe completely reimagines the original color for something new.



85.2333, 0.3089, 0.3260



96.2120, 0.3081, 0.3254



83.5047, 0.3090, 0.3229



17.8413, 0.3069, 0.3244



11.4018, 0.1782, 0.1614

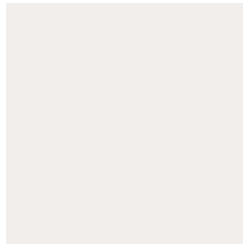


1.1477, 0.1847, 0.1848



# Previews

## White Background



This preview shows how the Yxy color 85.8480, 0.3166, 0.3320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

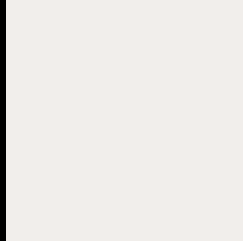
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.8480, 0.3166, 0.3320 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

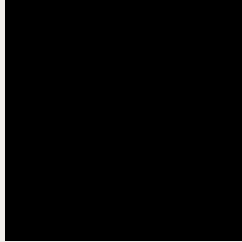
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

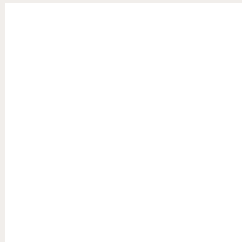
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.8480, 0.3166, 0.3320**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.8480, 0.3166, 0.3320.

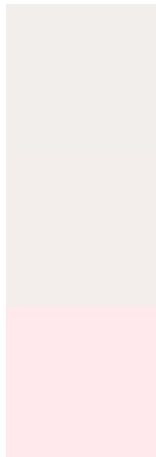


This preview shows how white text looks on a background with the Yxy color 85.8480, 0.3166, 0.3320.

# 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

85.8480, 0.3166, 0.3320

### Protanopia

85.6212, 0.3180, 0.3310

### Deuteranopia

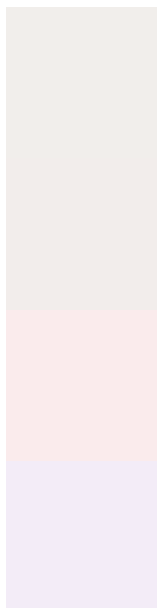
85.6523, 0.3252, 0.3251



## Tritanopia

85.8055, 0.3070, 0.3103

# Trichromacy



## Original Color

85.8480, 0.3166, 0.3320

## Protanomaly

85.4438, 0.3173, 0.3310

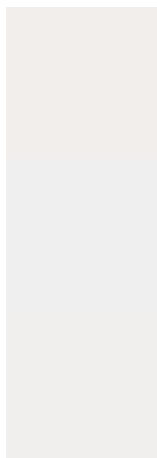
## Deuteranomaly

85.7968, 0.3222, 0.3280

## Tritanomaly

85.7610, 0.3106, 0.3181

# Monochromacy



## Original Color

85.8480, 0.3166, 0.3320

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.4313, 0.3140, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.8480, 0.3166, 0.3320 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(241, 238, 235) looks like.

```
.text, #text, p{  
    color:rgb(241, 238, 235)  
}
```

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(241, 238, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 238, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 85.8480, 0.3166, 0.3320 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(241, 238, 235) }
```

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

```
.border{ border-color:rgb(241, 238, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 238, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 238, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 238, 235);  
box-shadow:4px 4px 4px 4px rgb(241, 238,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.8480, 0.3166, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 238, 235) }
```

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

```
.background{ background-color: rgb(241,  
238, 235) }
```

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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