

# Converting Colors

$Yxy(85.3554, 0.3257, 0.3329)$

Have a look what the booklet for  
Yxy(85.3554, 0.3257, 0.3329)  
contains.

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# Color

**Yxy(85.5102, 0.3254, 0.3330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAEBE7
RGB	250, 235, 231
RGB Percent	98%, 92%, 91%
CMY	0.0196, 0.0784, 0.0940
CMYK	0.00, 0.06, 0.08, 0.02
HSL	13°, 65%, 94%
HSV	13°, 8%, 98%
XYZ	83.5586, 85.5102, 87.7186
YIQ	239.0290, 10.2240, 1.9360

# Conversions

## Conversions Part 2

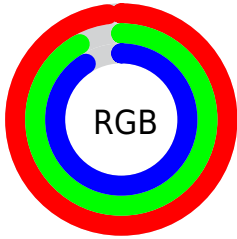
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 236, 231
Decimal	16444391
CIE Lab	94.10, 4.40, 3.73
CIE LCh	94, 5.774, 40.297
Yxy	85.5102, 0.3254, 0.3330
Android (android.graphics.Color)	4294634471 (0xFFFAEBE7)
YUV	239.0290, -3.9583, 9.6216
Hunter-Lab	92.4717, -0.5307, 8.4878

# Details

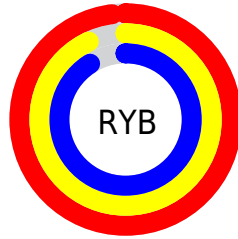
The Yxy color **85.5102, 0.3254, 0.3330** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.8182, 0.3009, 0.3250**, and the grayscale version is **86.3690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.6728, 0.3283, 0.3342** is the 20% darker color. If you saturate the color by 10%, you get **73.5090, 0.3452, 0.3386**, and if you desaturate by 10%, it is **98.9109, 0.3096, 0.3288**.

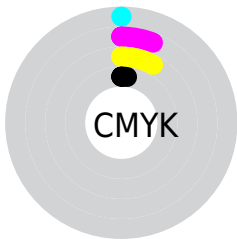
# Distribution



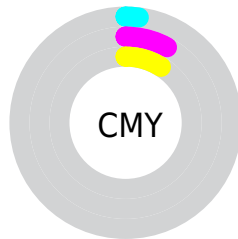
- Red (98%)
- Green (92%)
- Blue (91%)



- Red (98%)
- Yellow (93%)
- Blue (91%)



- Cyan (0%)
- Magenta (6%)
- Yellow (8%)
- Black (2%)




- Cyan (2%)
- Magenta (8%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5102, 0.3254, 0.3330 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 85.5102, 0.3254, 0.3330 by changing the saturation by 10% instead.



 85.5102, 0.3254,  
0.3330

 85.5102, 0.3254,  
0.3330

513.3148, 0.3197,  
0.3312

 64.2630, 0.3267,  
0.3334


141.0858, 0.3234,  
0.3324

 46.8637, 0.3282,  
0.3339

176.1830, 0.3227,  
0.3322

 32.9280, 0.3302,  
0.3344


216.6657, 0.3220,  
0.3320

 22.0713, 0.3327,  
0.3352

262.9182, 0.3214,  
0.3318

 13.9093, 0.3360,  
0.3361

315.3250, 0.3209,  
0.3316

 8.0576, 0.3408,  
0.3374

374.2704, 0.3205,

 4.1318, 0.3478,

0.3315

440.1389, 0.3200,  
0.3314

0.3394

1.7476, 0.3597,  
0.3424

0.4542, 0.4395,  
0.3702

85.5102, 0.3254,  
0.3330

85.5102, 0.3254,  
0.3330

73.5090, 0.3452,  
0.3386

98.9109, 0.3096,  
0.3288

62.9127, 0.3690,  
0.3445

99.0640, 0.3096,  
0.3290

53.6729, 0.3976,  
0.3504

45.7341, 0.4311,  
0.3558

■ 39.0372, 0.4692,  
0.3601

■ 33.5180, 0.5104,  
0.3624

■ 29.1065, 0.5513,  
0.3615

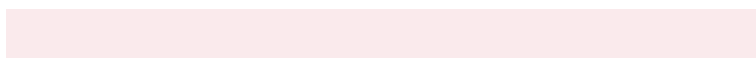
■ 25.7251, 0.5872,  
0.3569

■ 23.2836, 0.6134,  
0.3490

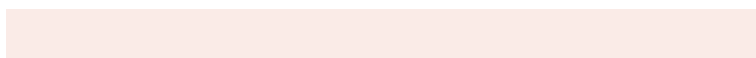
# Harmonies

## Analogous

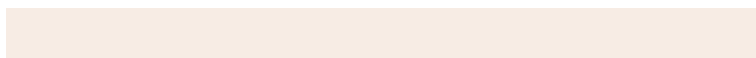
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5102, 0.3223, 0.3272



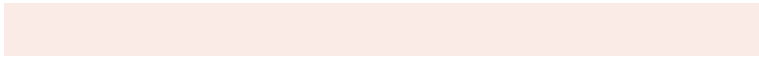
85.5102, 0.3254, 0.3330



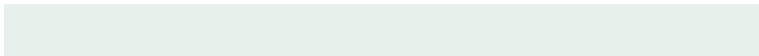
85.5102, 0.3251, 0.3378

# Triad

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



85.5102, 0.3254, 0.3330



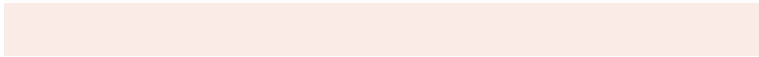
85.5102, 0.3088, 0.3363



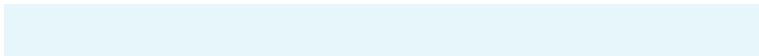
85.5102, 0.3041, 0.3178

# Complementary

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



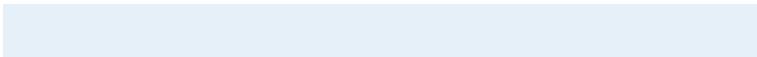
85.5102, 0.3254, 0.3330



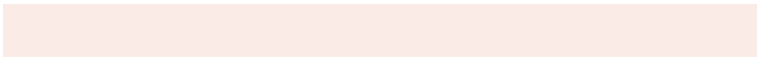
89.8182, 0.3009, 0.3250

# 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.



85.5102, 0.3005, 0.3201



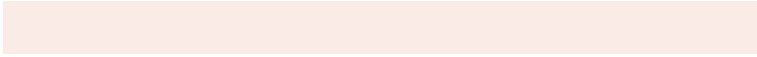
85.5102, 0.3254, 0.3330



85.5102, 0.3032, 0.3308

# Square

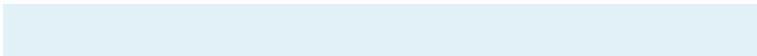
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5102, 0.3254, 0.3330



85.5102, 0.3154, 0.3398



85.5102, 0.3002, 0.3248

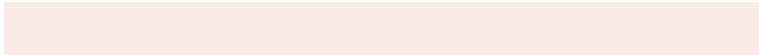


85.5102, 0.3100, 0.3185



# Rectangle

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



85.5102, 0.3254, 0.3330



85.5102, 0.3229, 0.3398



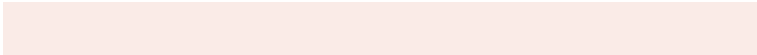
85.5102, 0.3002, 0.3248



85.5102, 0.3026, 0.3183

# Sweetspot

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



85.5139, 0.3254, 0.3330



97.1314, 0.3159, 0.3300



84.1554, 0.3160, 0.3141



20.8202, 0.3157, 0.3300



0.0000, 0.0000, 0.0000

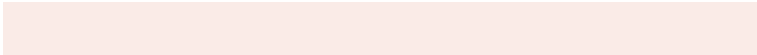


21.4041, 0.3127, 0.3290

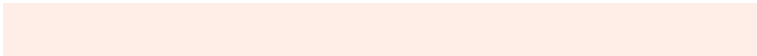


# Same Dimension

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



85.5139, 0.3254, 0.3330



87.5789, 0.3280, 0.3338



90.9811, 0.3245, 0.3422



17.8151, 0.3289, 0.3340



12.2702, 0.6161, 0.3490

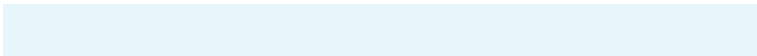


1.2822, 0.5941, 0.3665

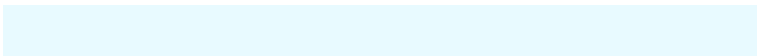


# Inverse Universe

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



89.8182, 0.3009, 0.3250



92.8708, 0.2988, 0.3242



84.2993, 0.3010, 0.3155



18.9540, 0.2980, 0.3239



25.1926, 0.2056, 0.2600

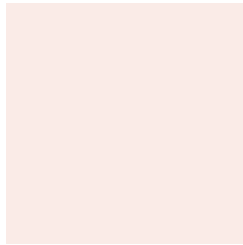


2.4827, 0.2081, 0.2692



# Previews

## White Background



This preview shows how the Yxy color 85.5102, 0.3254, 0.3330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

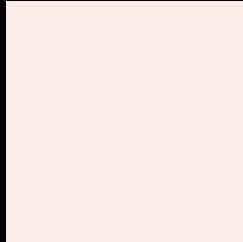
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.5102, 0.3254, 0.3330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

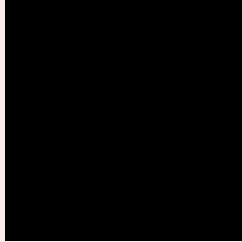
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

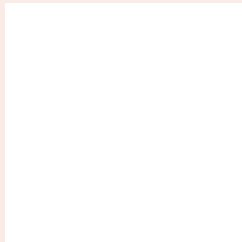
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.5102, 0.3254, 0.3330**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.5102, 0.3254, 0.3330.

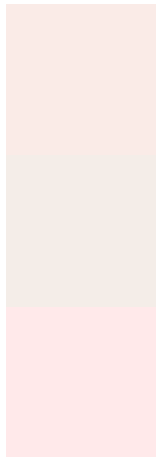


This preview shows how white text looks on a background with the Yxy color 85.5102, 0.3254, 0.3330.

# 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

85.5102, 0.3254, 0.3330

### Protanopia

85.6277, 0.3205, 0.3341

### Deuteranopia

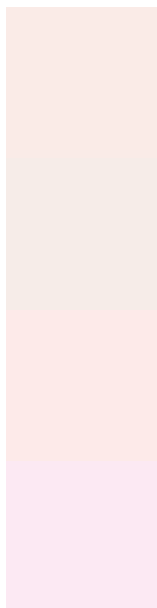
85.4783, 0.3271, 0.3281



## Tritanopia

85.4980, 0.3156, 0.3115

# Trichromacy



## Original Color

85.5102, 0.3254, 0.3330

## Protanomaly

85.4099, 0.3220, 0.3330

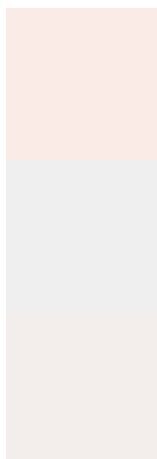
## Deuteranomaly

85.6115, 0.3263, 0.3300

## Tritanomaly

85.4443, 0.3193, 0.3192

# Monochromacy



## Original Color

85.5102, 0.3254, 0.3330

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.2599, 0.3173, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.5102, 0.3254, 0.3330 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(250, 235, 231)` looks like.

```
.text, #text, p{  
    color:rgb(250, 235, 231)  
}
```

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(250, 235, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 235, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 85.5102, 0.3254, 0.3330 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(250, 235, 231) }
```

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

```
.border{ border-color:rgb(250, 235, 231) }
```

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

Here you see how a box with a 4 pixel rgb(250, 235, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 235, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 235, 231);  
box-shadow:4px 4px 4px 4px rgb(250, 235,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.5102, 0.3254, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 235, 231) }
```

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

```
.background{ background-color: rgb(250,  
235, 231) }
```

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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