

Converting Colors

$Y_{xy}(84.1125, 0.3198, 0.3345)$

Have a look what the booklet for
Yxy(84.1125, 0.3198, 0.3345)
contains.

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Color

Yxy(83.8306, 0.3199, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	F1EBE6
RGB	241, 235, 230
RGB Percent	95%, 92%, 90%
CMY	0.0549, 0.0784, 0.0980
CMYK	0.00, 0.02, 0.05, 0.05
HSL	27°, 28%, 92%
HSV	27°, 5%, 95%
XYZ	80.2676, 83.8306, 86.8165
YIQ	236.2240, 5.1810, -0.2830

Conversions

Conversions Part 2

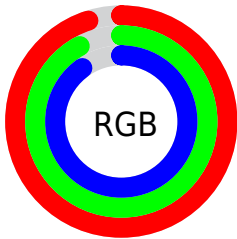
Format	Color
R _Y B	241, 239, 230
Decimal	15854566
CIE Lab	93.38, 1.16, 3.12
CIE LCh	93, 3.332, 69.640
Yxy	83.8306, 0.3199, 0.3341
Android (android.graphics.Color)	4294044646 (0xFFFF1EBE6)
YUV	236.2240, -3.0684, 4.1886
Hunter-Lab	91.5591, -3.7417, 7.8724

Details

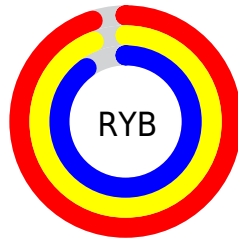
The Yxy color **83.8306, 0.3199, 0.3341** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.1678, 0.3057, 0.3238**, and the grayscale version is **84.0848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6496, 0.3212, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **75.3216, 0.3374, 0.3458**, and if you desaturate by 10%, it is **93.0902, 0.3048, 0.3231**.

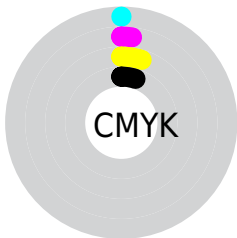
Distribution



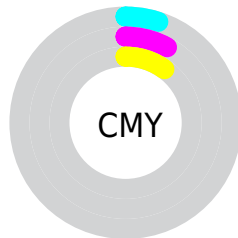
- Red (95%)
- Green (92%)
- Blue (90%)



- Red (95%)
- Yellow (94%)
- Blue (90%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (5%)





- Cyan (5%)
- Magenta (8%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.8306, 0.3199, 0.3341 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 83.8306, 0.3199, 0.3341 by changing the saturation by 10% instead.


 83.8306, 0.3199,
0.3341

 83.8306, 0.3199,
0.3341


507.7505, 0.3167,
0.3318

 62.8756, 0.3206,
0.3346


138.7382, 0.3188,
0.3333

 45.7406, 0.3215,
0.3352


173.4595, 0.3184,
0.3330

 32.0411, 0.3226,
0.3360


213.5385, 0.3180,
0.3327

 21.3929, 0.3241,
0.3370

259.3594, 0.3176,
0.3325

 13.4115, 0.3260,
0.3383

311.3066, 0.3174,
0.3323

 7.7125, 0.3287,
0.3402

369.7647, 0.3171,

 3.9116, 0.3327,

0.3321

0.3430

435.1178, 0.3169,
0.3320

■ 1.6242, 0.3396,
0.3477

■ 0.3738, 0.4055,
0.3951

■ 83.8306, 0.3199,
0.3341

■ 83.8306, 0.3199,
0.3341

■ 75.3216, 0.3374,
0.3458

■ 93.0902, 0.3048,
0.3231

■ 67.5328, 0.3575,
0.3581

■ 97.4412, 0.3041,
0.3290

■ 60.4472, 0.3805,
0.3706

■ 54.0434, 0.4062,
0.3827

■ 48.2984, 0.4343,
0.3935

■ 43.1878, 0.4640,
0.4020

■ 38.6855, 0.4938,
0.4069

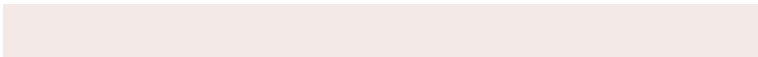
■ 34.7623, 0.5216,
0.4067

■ 31.3854, 0.5454,
0.4011

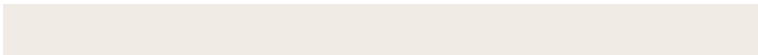
Harmonies

Analogous

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



83.8306, 0.3201, 0.3313



83.8306, 0.3199, 0.3341



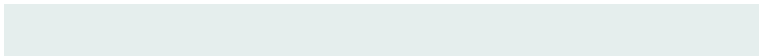
83.8306, 0.3178, 0.3356

Triad

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



83.8306, 0.3199, 0.3341



83.8306, 0.3073, 0.3301



83.8306, 0.3110, 0.3229

Complementary

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



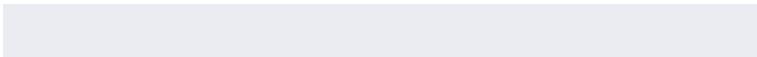
83.8306, 0.3199, 0.3341



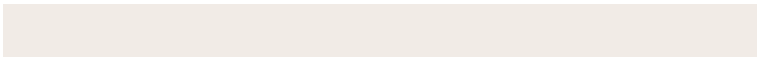
83.1678, 0.3057, 0.3238

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.



83.8306, 0.3076, 0.3225



83.8306, 0.3199, 0.3341



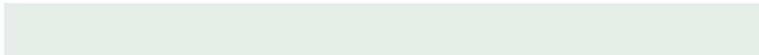
83.8306, 0.3055, 0.3267

Square

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



83.8306, 0.3199, 0.3341



83.8306, 0.3105, 0.3333



83.8306, 0.3056, 0.3239



83.8306, 0.3149, 0.3248

Rectangle

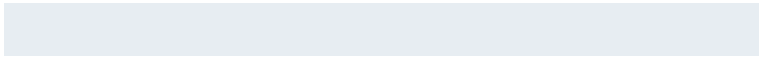
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



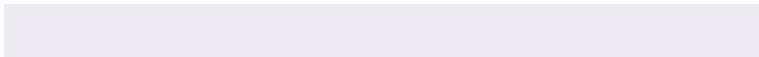
83.8306, 0.3199, 0.3341



83.8306, 0.3156, 0.3356



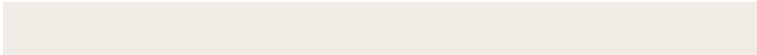
83.8306, 0.3056, 0.3239



83.8306, 0.3098, 0.3226

Sweetspot

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



83.8342, 0.3199, 0.3341



98.9527, 0.3143, 0.3301



81.3574, 0.3164, 0.3229



21.1910, 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.



83.8342, 0.3199, 0.3341



94.8491, 0.3206, 0.3346



87.0016, 0.3195, 0.3396



17.6412, 0.3217, 0.3354



16.3992, 0.5539, 0.3984



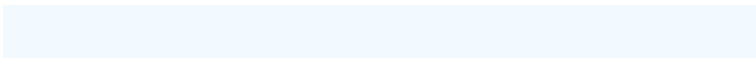
1.5606, 0.5318, 0.4160

Inverse Universe

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



83.1678, 0.3057, 0.3238



94.0189, 0.3050, 0.3233



80.0785, 0.3058, 0.3182



17.4657, 0.3040, 0.3225



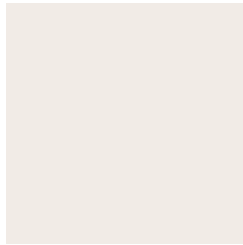
12.5839, 0.1815, 0.1733



1.2455, 0.1876, 0.1954

Previews

White Background



This preview shows how the Yxy color 83.8306, 0.3199, 0.3341 looks on a white background.

Color Contrast Check

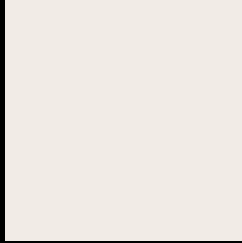
Large Text (above 18pt) WCAG AA × Fail

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 83.8306, 0.3199, 0.3341 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

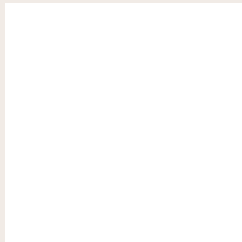
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8306, 0.3199, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 83.8306, 0.3199, 0.3341.

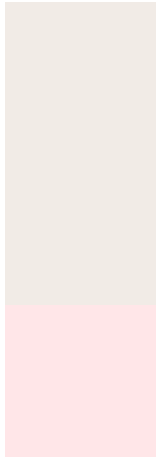


This preview shows how white text looks on a background with the Yxy color 83.8306, 0.3199, 0.3341.

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

83.8306, 0.3199, 0.3341

Protanopia

83.8306, 0.3199, 0.3341

Deuteranopia

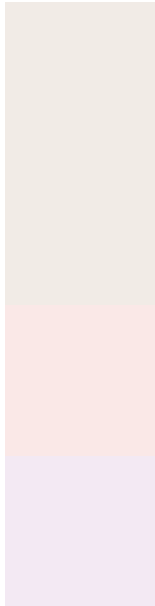
83.6798, 0.3287, 0.3271



Tritanopia

83.8484, 0.3095, 0.3111

Trichromacy



Original Color

83.8306, 0.3199, 0.3341

Protanomaly

83.8306, 0.3199, 0.3341

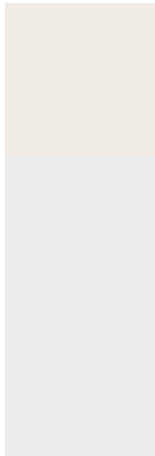
Deuteranomaly

83.8067, 0.3257, 0.3300

Tritanomaly

83.8036, 0.3132, 0.3190

Monochromacy



Original Color

83.8306, 0.3199, 0.3341

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.1086, 0.3153, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8306, 0.3199, 0.3341 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, 235, 230)` looks like.

```
.text, #text, p{  
    color:rgb(241, 235, 230)  
}
```

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, 235, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 235, 230) }
```

Border

The CSS property to change the border of an element to Yxy 83.8306, 0.3199, 0.3341 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, 235, 230) }
```

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

```
.border{ border-color:rgb(241, 235, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 235, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 235, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 235, 230);  
box-shadow:4px 4px 4px 4px rgb(241, 235,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8306, 0.3199, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 235, 230) }
```

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

```
.background{ background-color: rgb(241,  
235, 230) }
```

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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