

Converting Colors

Yxy(83.4986, 0.3175, 0.3311)

Have a look what the booklet for
Yxy(83.4986, 0.3175, 0.3311)
contains.

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Color

Yxy(83.8251, 0.3173, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	F0EBE9
RGB	240, 235, 233
RGB Percent	94%, 92%, 91%
CMY	0.0588, 0.0784, 0.0861
CMYK	0.00, 0.02, 0.03, 0.06
HSL	17°, 19%, 93%
HSV	17°, 3%, 94%
XYZ	80.3556, 83.8251, 89.0673
YIQ	236.2670, 3.6220, 0.4380

Conversions

Conversions Part 2

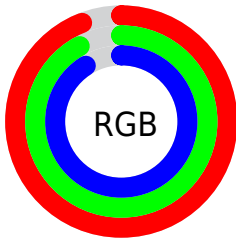
Format	Color
R _Y B	240, 236, 233
Decimal	15789033
CIE Lab	93.37, 1.34, 1.53
CIE LCh	93, 2.035, 48.749
Yxy	83.8251, 0.3173, 0.3310
Android (android.graphics.Color)	4293979113 (0xFFFF0EBE9)
YUV	236.2670, -1.6106, 3.2738
Hunter-Lab	91.5560, -3.5598, 6.4109

Details

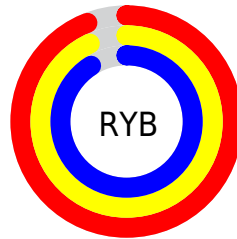
The Yxy color **83.8251, 0.3173, 0.3310** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.7948, 0.3082, 0.3270**, and the grayscale version is **84.1102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6049, 0.3187, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **73.1492, 0.3351, 0.3382**, and if you desaturate by 10%, it is **95.5194, 0.3036, 0.3263**.

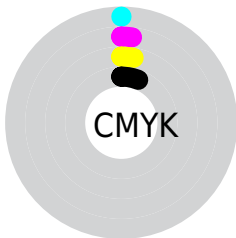
Distribution



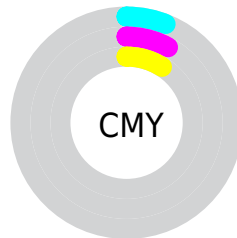
- Red (94%)
- Green (92%)
- Blue (91%)



- Red (94%)
- Yellow (93%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (6%)





- Cyan (6%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8251, 0.3173, 0.3310 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 83.8251, 0.3173, 0.3310 by changing the saturation by 10% instead.

 83.8251, 0.3173,
0.3310

 83.8251, 0.3173,
0.3310

507.7323, 0.3152,
0.3301

 62.8710, 0.3178,
0.3312

138.7305, 0.3166,
0.3307

 45.7369, 0.3183,
0.3314

173.4506, 0.3163,
0.3306

 32.0382, 0.3190,
0.3317


213.5282, 0.3161,
0.3305

 21.3907, 0.3199,
0.3321

259.3477, 0.3159,
0.3304

 13.4099, 0.3212,
0.3326

311.2935, 0.3157,
0.3303

 7.7114, 0.3229,
0.3334

369.7499, 0.3155,

 3.9108, 0.3255,

0.3302

435.1013, 0.3154,
0.3302

0.3344

1.6238, 0.3299,
0.3362

0.3736, 0.3655,
0.3520

83.8251, 0.3173,
0.3310

83.8251, 0.3173,
0.3310

73.1492, 0.3351,
0.3382

95.5194, 0.3036,
0.3263

63.5787, 0.3562,
0.3459

97.2650, 0.3035,
0.3290

55.0808, 0.3813,
0.3538

47.6172, 0.4106,
0.3615

■ 41.1474, 0.4442,
0.3682

■ 35.6277, 0.4811,
0.3732

■ 31.0114, 0.5194,
0.3751

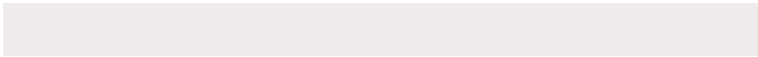
■ 27.2470, 0.5558,
0.3728

■ 24.2771, 0.5863,
0.3660

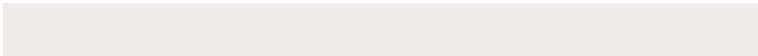
Harmonies

Analogous

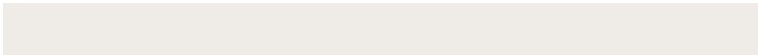
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8251, 0.3165, 0.3290



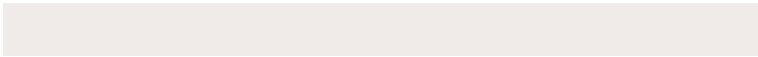
83.8251, 0.3173, 0.3310



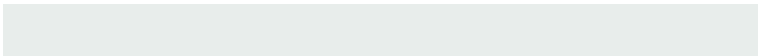
83.8251, 0.3168, 0.3325

Triad

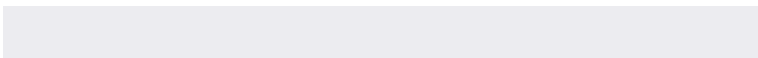
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8251, 0.3173, 0.3310



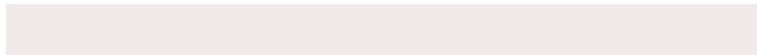
83.8251, 0.3107, 0.3311



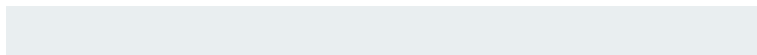
83.8251, 0.3102, 0.3250

Complementary

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



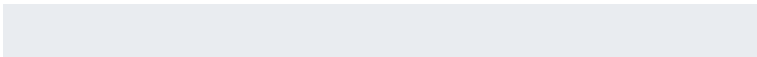
83.8251, 0.3173, 0.3310



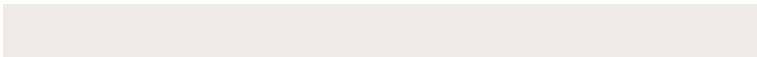
84.7948, 0.3082, 0.3270

Split Complementary

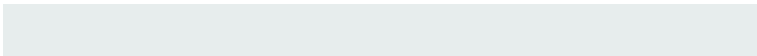
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8251, 0.3086, 0.3255



83.8251, 0.3173, 0.3310



83.8251, 0.3089, 0.3290

Square

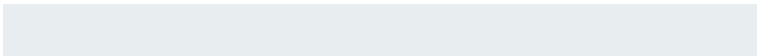
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



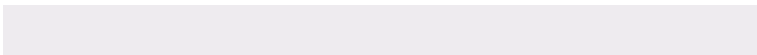
83.8251, 0.3173, 0.3310



83.8251, 0.3130, 0.3326



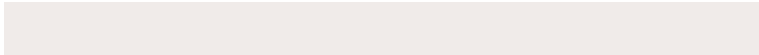
83.8251, 0.3082, 0.3270



83.8251, 0.3124, 0.3255

Rectangle

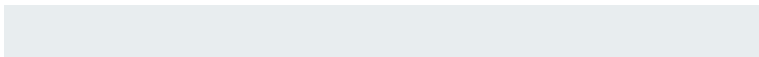
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



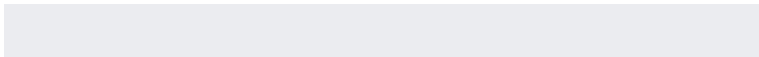
83.8251, 0.3173, 0.3310



83.8251, 0.3159, 0.3330



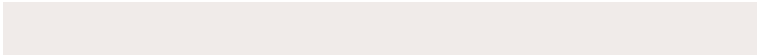
83.8251, 0.3082, 0.3270



83.8251, 0.3096, 0.3251

Sweetspot

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



83.8287, 0.3173, 0.3310



98.6735, 0.3143, 0.3297



83.0094, 0.3142, 0.3238



21.1342, 0.3142, 0.3297



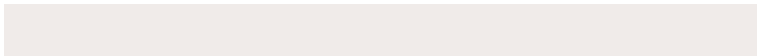
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

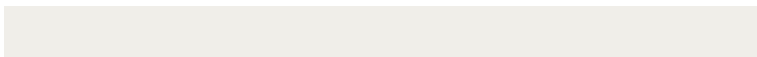
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8287, 0.3173, 0.3310



96.0604, 0.3175, 0.3311



85.7789, 0.3171, 0.3344



17.8060, 0.3188, 0.3316



12.5701, 0.6005, 0.3614



1.2082, 0.5748, 0.3818

Inverse Universe

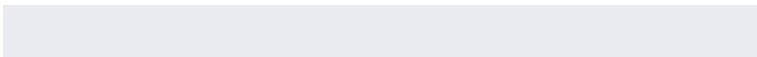
The Inverse Universe completely reimagines the original color for something new.



84.7948, 0.3082, 0.3270



97.2112, 0.3081, 0.3269



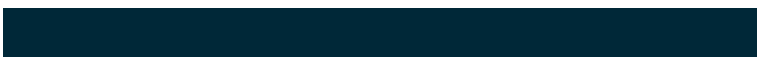
82.8483, 0.3083, 0.3235



18.0760, 0.3069, 0.3264



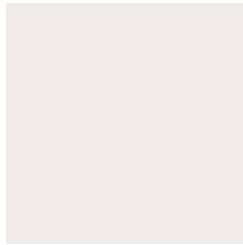
19.9201, 0.1986, 0.2348



1.8246, 0.2024, 0.2487

Previews

White Background



This preview shows how the Yxy color 83.8251, 0.3173, 0.3310 looks on a white background.

Color Contrast Check

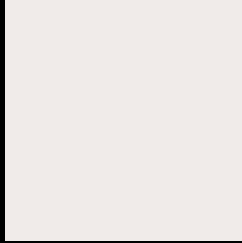
Large Text (above 18pt) WCAG AA × Fail

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 83.8251, 0.3173, 0.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

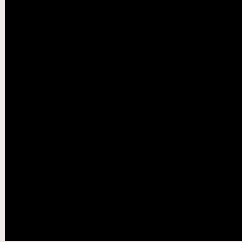
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

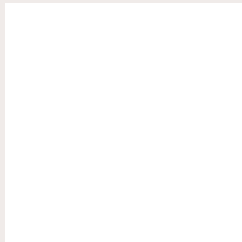
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8251, 0.3173, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 83.8251, 0.3173, 0.3310.

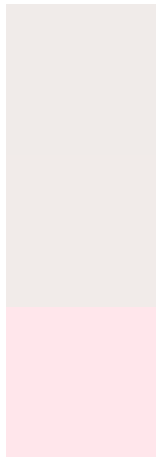


This preview shows how white text looks on a background with the Yxy color 83.8251, 0.3173, 0.3310.

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

83.8251, 0.3173, 0.3310

Protanopia

84.0006, 0.3180, 0.3310

Deuteranopia

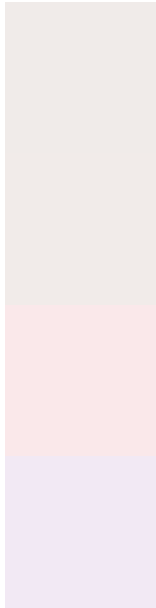
83.8518, 0.3267, 0.3241



Tritanopia

83.7329, 0.3083, 0.3101

Trichromacy



Original Color

83.8251, 0.3173, 0.3310

Protanomaly

84.0006, 0.3180, 0.3310

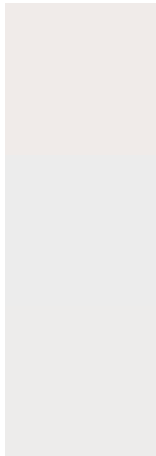
Deuteranomaly

83.9777, 0.3237, 0.3270

Tritanomaly

83.6867, 0.3119, 0.3180

Monochromacy



Original Color

83.8251, 0.3173, 0.3310

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.9936, 0.3140, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8251, 0.3173, 0.3310 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, 235, 233) looks like.

```
.text, #text, p{  
    color:rgb(240, 235, 233)  
}
```

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, 235, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 235, 233) }
```

Border

The CSS property to change the border of an element to Yxy 83.8251, 0.3173, 0.3310 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, 235, 233) }
```

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

```
.border{ border-color:rgb(240, 235, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 235, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 235, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 235, 233);  
box-shadow:4px 4px 4px 4px rgb(240, 235,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8251, 0.3173, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 235, 233) }
```

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

```
.background{ background-color: rgb(240,  
235, 233) }
```

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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