

Converting Colors

Yxy(83.5328, 0.3159, 0.3365)

Have a look what the booklet for
Yxy(83.5328, 0.3159, 0.3365)
contains.

Yxy(83.8877, 0.3163, 0.3372)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.8877, 0.3163, 0.3372)

Conversions

Conversions Part 1

Format	Color
Hex	EBEDE5
RGB	235, 237, 229
RGB Percent	92%, 93%, 90%
CMY	0.0785, 0.0706, 0.1018
CMYK	0.01, 0.00, 0.03, 0.07
HSL	75°, 18%, 91%
HSV	75°, 3%, 93%
XYZ	78.6883, 83.8877, 86.2013
YIQ	235.4900, 1.3760, -2.9120

Conversions

Conversions Part 2

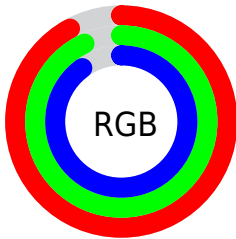
Format	Color
R _Y B	229, 237, 231
Decimal	15461861
CIE Lab	93.40, -2.07, 3.61
CIE LCh	93, 4.156, 119.840
Yxy	83.8877, 0.3163, 0.3372
Android (android.graphics.Color)	4293651941 (0xFFEBEDE5)
YUV	235.4900, -3.1996, -0.4297
Hunter-Lab	91.5902, -6.9275, 8.3116

Details

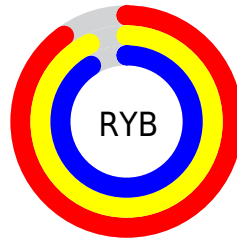
The Yxy color **83.8877, 0.3163, 0.3372** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.1747, 0.3091, 0.3207**, and the grayscale version is **83.4971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6874, 0.3166, 0.3383** is the 20% darker color. If you saturate the color by 10%, you get **81.6497, 0.3271, 0.3626**, and if you desaturate by 10%, it is **86.3484, 0.3058, 0.3134**.

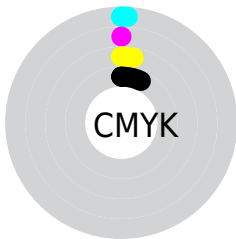
Distribution



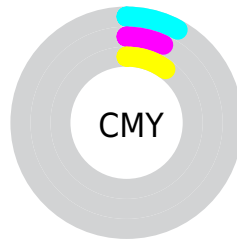
- Red (92%)
- Green (93%)
- Blue (90%)



- Red (90%)
- Yellow (93%)
- Blue (91%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)




- Cyan (8%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8877, 0.3163, 0.3372 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 83.8877, 0.3163, 0.3372 by changing the saturation by 10% instead.

 83.8877, 0.3163,
0.3372

 83.8877, 0.3163,
0.3372


507.9402, 0.3147,
0.3335

 62.9227, 0.3167,
0.3380


138.8181, 0.3158,
0.3359

 45.7787, 0.3171,
0.3390


173.5523, 0.3155,
0.3354

 32.0712, 0.3176,
0.3403


213.6450, 0.3153,
0.3350

 21.4159, 0.3183,
0.3420

259.4806, 0.3152,
0.3346

 13.4284, 0.3193,
0.3442

311.4436, 0.3150,
0.3343

 7.7242, 0.3206,
0.3473

369.9182, 0.3149,

 3.9190, 0.3225,

0.3340

435.2890, 0.3148,
0.3337

0.3520

■ 1.6283, 0.3257,
0.3601

■ 0.3766, 0.3651,
0.4472

■ 83.8877, 0.3163,
0.3372

■ 83.8877, 0.3163,
0.3372

■ 81.6497, 0.3271,
0.3626

■ 86.3484, 0.3058,
0.3134

■ 79.6158, 0.3379,
0.3893

■ 87.5691, 0.3083,
0.3114

■ 77.7815, 0.3484,
0.4165

■ 88.6804, 0.3122,
0.3116

■ 76.1382, 0.3579,
0.4435

■ 89.0523, 0.3135,
0.3117

■ 74.6765, 0.3661,
0.4691

■ 73.3859, 0.3723,
0.4921

■ 72.2548, 0.3762,
0.5115

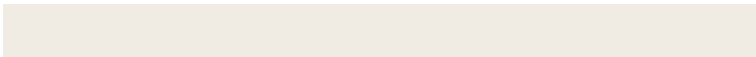
■ 71.2699, 0.3775,
0.5263

■ 70.4150, 0.3763,
0.5364

Harmonies

Analogous

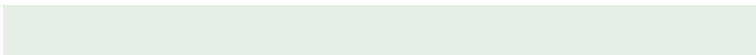
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8877, 0.3202, 0.3368



83.8877, 0.3163, 0.3372



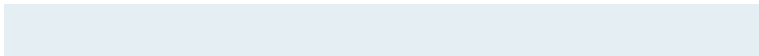
83.8877, 0.3115, 0.3353

Triad

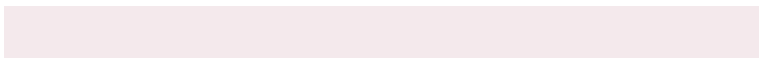
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8877, 0.3163, 0.3372



83.8877, 0.3035, 0.3236



83.8877, 0.3184, 0.3263

Complementary

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



83.8877, 0.3163, 0.3372



79.1747, 0.3091, 0.3207

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.



83.8877, 0.3139, 0.3228



83.8877, 0.3163, 0.3372



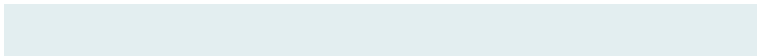
83.8877, 0.3053, 0.3213

Square

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



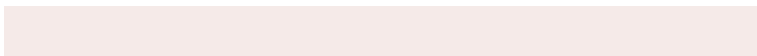
83.8877, 0.3163, 0.3372



83.8877, 0.3041, 0.3275



83.8877, 0.3091, 0.3210



83.8877, 0.3214, 0.3305

Rectangle

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



83.8877, 0.3163, 0.3372



83.8877, 0.3084, 0.3331



83.8877, 0.3091, 0.3210



83.8877, 0.3170, 0.3250

Sweetspot

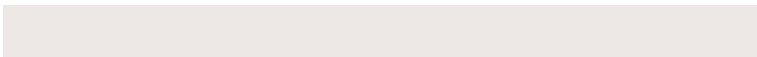
The Sweet Spot groups the original color and five complimentary colors.



83.8913, 0.3163, 0.3372



99.7143, 0.3138, 0.3314



80.8346, 0.3181, 0.3311



21.3460, 0.3137, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

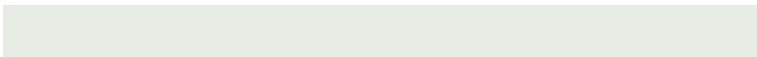
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8913, 0.3163, 0.3372



98.8727, 0.3170, 0.3388



83.2259, 0.3137, 0.3373



17.6500, 0.3178, 0.3406



38.2276, 0.3752, 0.5403



3.0470, 0.3815, 0.5353

Inverse Universe

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



79.1747, 0.3091, 0.3207



92.2487, 0.3083, 0.3191



79.8403, 0.3117, 0.3208



16.2611, 0.3075, 0.3173



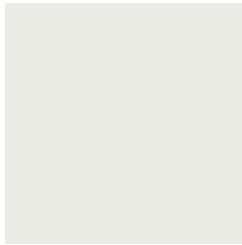
3.9178, 0.1650, 0.0683



0.3522, 0.1789, 0.0759

Previews

White Background



This preview shows how the Yxy color 83.8877, 0.3163, 0.3372 looks on a white background.

Color Contrast Check

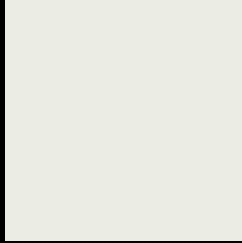
Large Text (above 18pt) WCAG AA × Fail

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 83.8877, 0.3163, 0.3372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

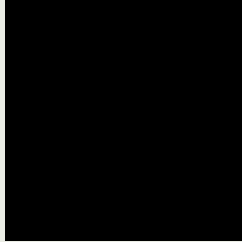
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

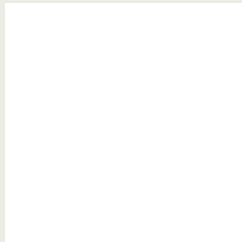
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8877, 0.3163, 0.3372

Background



This preview shows how black text looks on a background with the Yxy color 83.8877, 0.3163, 0.3372.

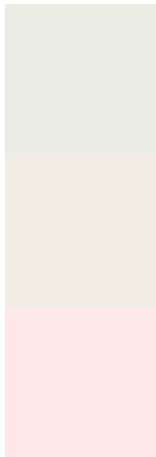


This preview shows how white text looks on a background with the Yxy color 83.8877, 0.3163, 0.3372.

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

83.8877, 0.3163, 0.3372

Protanopia

83.8953, 0.3219, 0.3361

Deuteranopia

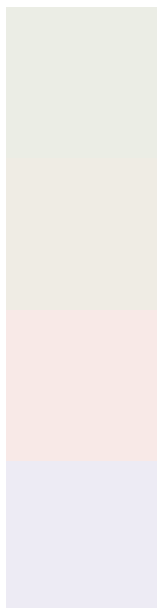
83.6798, 0.3287, 0.3271



Tritanopia

84.0511, 0.3043, 0.3110

Trichromacy



Original Color

83.8877, 0.3163, 0.3372

Protanomaly

83.9431, 0.3197, 0.3372

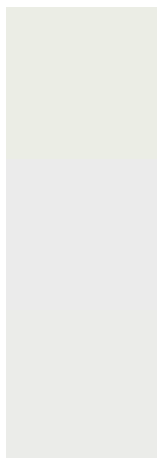
Deuteranomaly

84.0038, 0.3242, 0.3310

Tritanomaly

83.9528, 0.3085, 0.3199

Monochromacy



Original Color

83.8877, 0.3163, 0.3372

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.5363, 0.3139, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8877, 0.3163, 0.3372 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(235, 237, 229)` looks like.

```
.text, #text, p{  
    color:rgb(235, 237, 229)  
}
```

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(235, 237, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 237, 229) }
```

Border

The CSS property to change the border of an element to Yxy 83.8877, 0.3163, 0.3372 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(235, 237, 229) }
```

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

```
.border{ border-color:rgb(235, 237, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 237, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 237, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 237, 229);  
box-shadow:4px 4px 4px 4px rgb(235, 237,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8877, 0.3163, 0.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 237, 229) }
```

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

```
.background{ background-color: rgb(235,  
237, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor