

Converting Colors

$Yxy(83.9970, 0.3158, 0.3363)$

Have a look what the booklet for
Yxy(83.9970, 0.3158, 0.3363)
contains.

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Color

Yxy(83.9437, 0.3157, 0.3362)

Conversions

Conversions Part 1

Format	Color
Hex	EBEDE6
RGB	235, 237, 230
RGB Percent	92%, 93%, 90%
CMY	0.0785, 0.0706, 0.0980
CMYK	0.01, 0.00, 0.03, 0.07
HSL	77°, 16%, 92%
HSV	77°, 3%, 93%
XYZ	78.8252, 83.9437, 86.9149
YIQ	235.6040, 1.0550, -2.6010

Conversions

Conversions Part 2

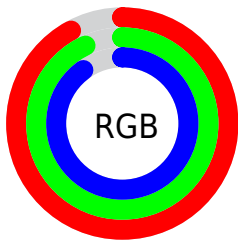
Format	Color
R _Y B	230, 237, 232
Decimal	15461862
CIE Lab	93.43, -1.90, 3.14
CIE LCh	93, 3.669, 121.205
Yxy	83.9437, 0.3157, 0.3362
Android (android.graphics.Color)	4293651942 (0xFFEBEDE6)
YUV	235.6040, -2.7628, -0.5297
Hunter-Lab	91.6208, -6.7654, 7.8898

Details

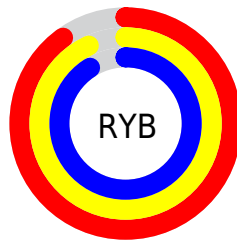
The Yxy color **83.9437, 0.3157, 0.3362** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.8730, 0.3097, 0.3218**, and the grayscale version is **83.5843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7266, 0.3158, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **81.5624, 0.3259, 0.3617**, and if you desaturate by 10%, it is **86.5582, 0.3057, 0.3125**.

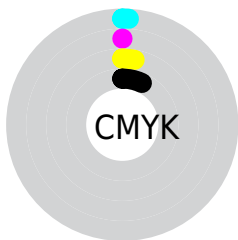
Distribution



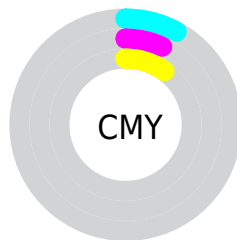
- Red (92%)
- Green (93%)
- Blue (90%)



- 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 83.9437, 0.3157, 0.3362 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 83.9437, 0.3157, 0.3362 by changing the saturation by 10% instead.


 83.9437, 0.3157,
0.3362

 83.9437, 0.3157,
0.3362


508.1263, 0.3144,
0.3329

 62.9690, 0.3160,
0.3369


138.8964, 0.3152,
0.3351

 45.8161, 0.3164,
0.3378


173.6432, 0.3151,
0.3346

 32.1007, 0.3168,
0.3389


213.7494, 0.3149,
0.3343

 21.4384, 0.3174,
0.3404

259.5995, 0.3148,
0.3339

 13.4449, 0.3182,
0.3423

311.5778, 0.3147,
0.3336

 7.7356, 0.3193,
0.3450

370.0688, 0.3145,

 3.9262, 0.3209,

0.3334

0.3492

435.4568, 0.3144,
0.3332

■ 1.6324, 0.3236,
0.3562

■ 0.3793, 0.3541,
0.4276

■ 83.9437, 0.3157,
0.3362

■ 83.9437, 0.3157,
0.3362

■ 81.5624, 0.3259,
0.3617

■ 86.5582, 0.3057,
0.3125

■ 79.3955, 0.3361,
0.3885

■ 87.8738, 0.3094,
0.3115

■ 77.4385, 0.3460,
0.4160

■ 89.0538, 0.3135,
0.3117

■ 75.6826, 0.3549,
0.4434

■ 74.1180, 0.3625,
0.4697

■ 72.7345, 0.3682,
0.4935

■ 71.5201, 0.3716,
0.5138

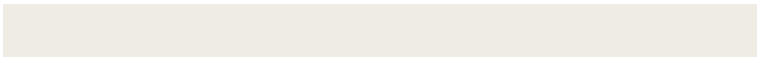
■ 70.4616, 0.3725,
0.5296

■ 69.5425, 0.3708,
0.5404

Harmonies

Analogous

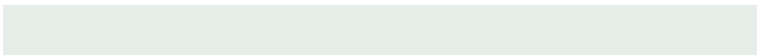
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9437, 0.3192, 0.3360



83.9437, 0.3157, 0.3362



83.9437, 0.3115, 0.3345

Triad

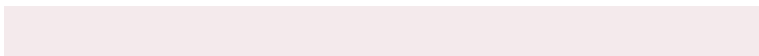
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9437, 0.3157, 0.3362



83.9437, 0.3046, 0.3241



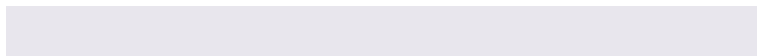
83.9437, 0.3179, 0.3268

Complementary

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



83.9437, 0.3157, 0.3362



79.8730, 0.3097, 0.3218

Split Complementary

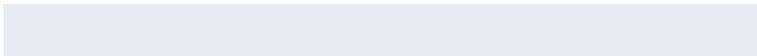
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.9437, 0.3140, 0.3237



83.9437, 0.3157, 0.3362



83.9437, 0.3063, 0.3221

Square

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



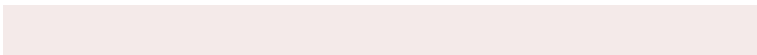
83.9437, 0.3157, 0.3362



83.9437, 0.3051, 0.3275



83.9437, 0.3097, 0.3219



83.9437, 0.3204, 0.3305

Rectangle

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



83.9437, 0.3157, 0.3362



83.9437, 0.3088, 0.3325



83.9437, 0.3097, 0.3219



83.9437, 0.3167, 0.3256

Sweetspot

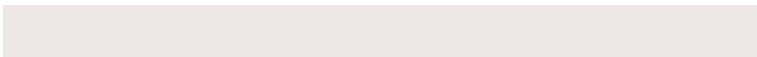
The Sweet Spot groups the original color and five complimentary colors.



83.9473, 0.3157, 0.3362



99.6975, 0.3137, 0.3314



81.4278, 0.3174, 0.3311



21.3426, 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.



83.9473, 0.3157, 0.3362



98.8060, 0.3168, 0.3388



83.3636, 0.3134, 0.3362



17.6360, 0.3175, 0.3406



37.7173, 0.3692, 0.5450



3.0104, 0.3764, 0.5393

Inverse Universe

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



79.8730, 0.3097, 0.3218



92.3138, 0.3086, 0.3191



80.4585, 0.3120, 0.3218



16.2747, 0.3078, 0.3173



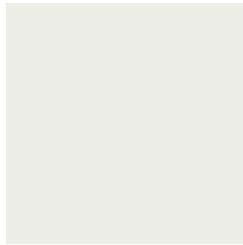
4.0757, 0.1689, 0.0704



0.3676, 0.1834, 0.0784

Previews

White Background



This preview shows how the Yxy color 83.9437, 0.3157, 0.3362 looks on a white background.

Color Contrast Check

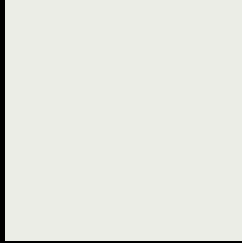
Large Text (above 18pt) WCAG AA × Fail

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 83.9437, 0.3157, 0.3362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

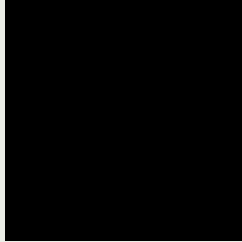
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

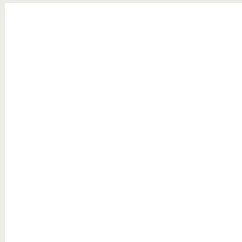
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9437, 0.3157, 0.3362

Background



This preview shows how black text looks on a background with the Yxy color 83.9437, 0.3157, 0.3362.

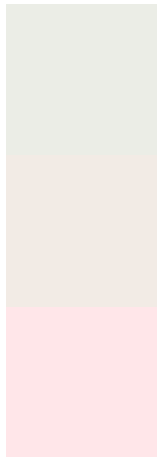


This preview shows how white text looks on a background with the Yxy color 83.9437, 0.3157, 0.3362.

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

83.9437, 0.3157, 0.3362

Protanopia

83.9510, 0.3212, 0.3351

Deuteranopia

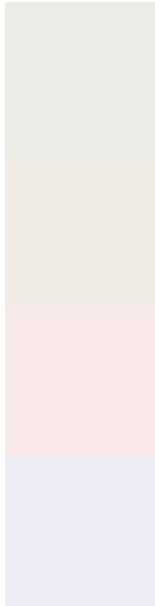
83.7368, 0.3281, 0.3261



Tritanopia

84.0511, 0.3043, 0.3110

Trichromacy



Original Color

83.9437, 0.3157, 0.3362

Protanomaly

83.9988, 0.3191, 0.3362

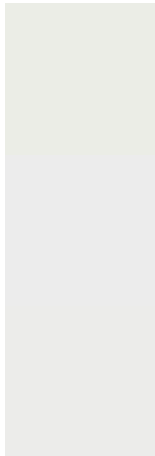
Deuteranomaly

84.0605, 0.3236, 0.3300

Tritanomaly

83.9528, 0.3085, 0.3199

Monochromacy



Original Color

83.9437, 0.3157, 0.3362

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7643, 0.3140, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9437, 0.3157, 0.3362 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(235, 237, 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(235, 237, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 237, 230) }
```

Border

The CSS property to change the border of an element to Yxy 83.9437, 0.3157, 0.3362 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, 230) }
```

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

```
.border{ border-color:rgb(235, 237, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 237, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 237, 230);  
box-shadow:4px 4px 4px 4px rgb(235, 237,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9437, 0.3157, 0.3362 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, 230) }
```

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

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