

Converting Colors

$Yxy(83.5944, 0.3139, 0.3364)$

Have a look what the booklet for
Yxy(83.5944, 0.3139, 0.3364)
contains.

Yxy(83.4373, 0.3137, 0.3362)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.4373, 0.3137, 0.3362)

Conversions

Conversions Part 1

Format	Color
Hex	E8EDE6
RGB	232, 237, 230
RGB Percent	91%, 93%, 90%
CMY	0.0901, 0.0706, 0.0979
CMYK	0.02, 0.00, 0.03, 0.07
HSL	103°, 16%, 92%
HSV	103°, 3%, 93%
XYZ	77.8533, 83.4373, 86.8870
YIQ	234.7070, -0.7330, -3.2370

Conversions

Conversions Part 2

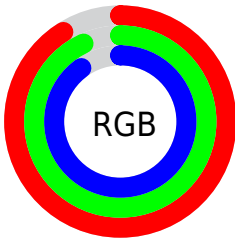
Format	Color
R _Y B	230, 237, 235
Decimal	15265254
CIE Lab	93.21, -2.89, 2.78
CIE LCh	93, 4.008, 136.125
Yxy	83.4373, 0.3137, 0.3362
Android (android.graphics.Color)	4293455334 (0xFFE8EDE6)
YUV	234.7070, -2.3206, -2.3740
Hunter-Lab	91.3440, -7.7149, 7.5438

Details

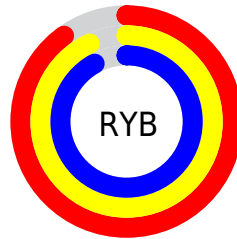
The Yxy color **83.4373, 0.3137, 0.3362** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.3898, 0.3117, 0.3218**, and the grayscale version is **82.8671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3730, 0.3132, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **79.4982, 0.3170, 0.3625**, and if you desaturate by 10%, it is **87.8379, 0.3103, 0.3127**.

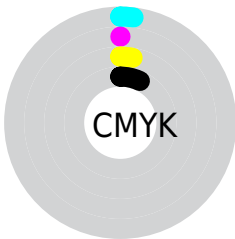
Distribution



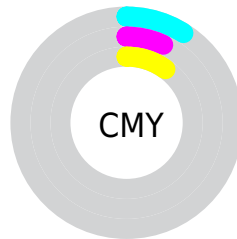
- Red (91%)
- Green (93%)
- Blue (90%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4373, 0.3137, 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 83.4373, 0.3137, 0.3362 by changing the saturation by 10% instead.

83.4373, 0.3137,
0.3362

83.4373, 0.3137,
0.3362

506.4428, 0.3133,
0.3329

62.5510, 0.3138,
0.3369

138.1878, 0.3136,
0.3351

45.4780, 0.3139,
0.3378

172.8207, 0.3135,
0.3346

31.8341, 0.3141,
0.3390

212.8046, 0.3134,
0.3343

21.2348, 0.3142,
0.3404

258.5239, 0.3134,
0.3339

13.2958, 0.3145,
0.3424

310.3630, 0.3134,
0.3336

7.6325, 0.3148,
0.3451

368.7062, 0.3133,

3.8607, 0.3153,

0.3334

0.3493

433.9380, 0.3133,
0.3331

■ 1.5960, 0.3161,
0.3565

■ 0.3549, 0.3278,
0.4361

■ 83.4373, 0.3137,
0.3362

■ 83.4373, 0.3137,
0.3362

■ 79.4982, 0.3170,
0.3625

■ 87.8379, 0.3103,
0.3127

■ 75.9949, 0.3200,
0.3915

■ 89.0470, 0.3135,
0.3117

■ 72.9152, 0.3226,
0.4228

■ 70.2424, 0.3245,
0.4555

■ 67.9585, 0.3253,
0.4884

■ 66.0441, 0.3249,
0.5196

■ 64.4780, 0.3231,
0.5470

■ 63.2366, 0.3198,
0.5689

■ 62.2925, 0.3154,
0.5837

Harmonies

Analogous

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



83.4373, 0.3181, 0.3370



83.4373, 0.3137, 0.3362



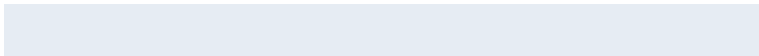
83.4373, 0.3091, 0.3334

Triad

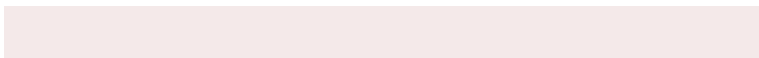
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4373, 0.3137, 0.3362



83.4373, 0.3045, 0.3223



83.4373, 0.3200, 0.3286

Complementary

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



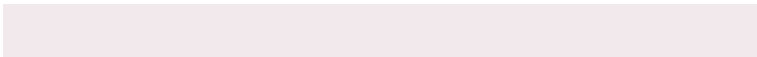
83.4373, 0.3137, 0.3362



80.3898, 0.3117, 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.



83.4373, 0.3163, 0.3247



83.4373, 0.3137, 0.3362



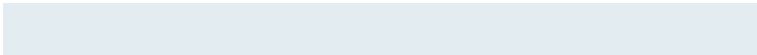
83.4373, 0.3074, 0.3211

Square

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



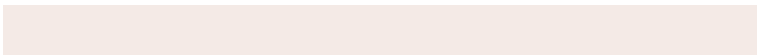
83.4373, 0.3137, 0.3362



83.4373, 0.3038, 0.3254



83.4373, 0.3117, 0.3220



83.4373, 0.3217, 0.3326

Rectangle

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



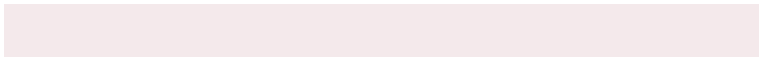
83.4373, 0.3137, 0.3362



83.4373, 0.3065, 0.3308



83.4373, 0.3117, 0.3220



83.4373, 0.3190, 0.3272

Sweetspot

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



83.4409, 0.3137, 0.3362



99.4928, 0.3131, 0.3314



83.0831, 0.3172, 0.3340



21.3009, 0.3130, 0.3313



0.0000, 0.0000, 0.0000



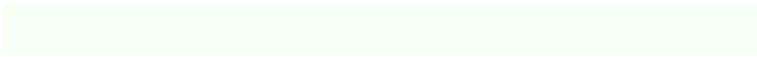
21.4041, 0.3127, 0.3290

Same Dimension

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



83.4409, 0.3137, 0.3362



98.0036, 0.3141, 0.3389



83.1889, 0.3115, 0.3348



17.4678, 0.3143, 0.3407



33.7884, 0.3130, 0.5897



2.7005, 0.3231, 0.5817

Inverse Universe

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



80.3898, 0.3117, 0.3218



93.1163, 0.3113, 0.3192



80.6488, 0.3139, 0.3233



16.4430, 0.3111, 0.3174



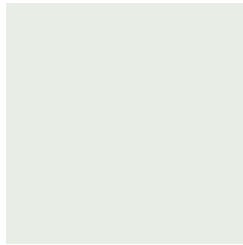
8.0383, 0.2499, 0.1150



0.6795, 0.2601, 0.1206

Previews

White Background



This preview shows how the Yxy color 83.4373, 0.3137, 0.3362 looks on a white background.

Color Contrast Check

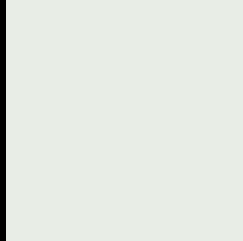
Large Text (above 18pt) WCAG AA × Fail

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 83.4373, 0.3137, 0.3362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

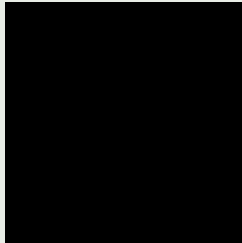
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

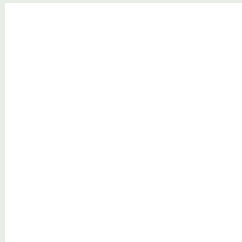
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4373, 0.3137, 0.3362

Background



This preview shows how black text looks on a background with the Yxy color 83.4373, 0.3137, 0.3362.

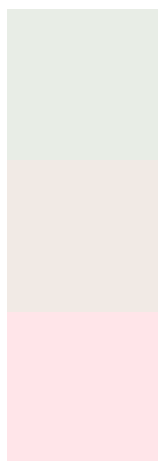


This preview shows how white text looks on a background with the Yxy color 83.4373, 0.3137, 0.3362.

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

83.4373, 0.3137, 0.3362

Protanopia

83.2036, 0.3206, 0.3341

Deuteranopia

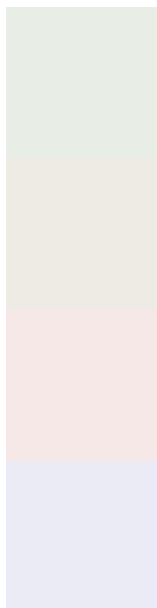
83.1818, 0.3282, 0.3251



Tritanopia

83.5361, 0.3024, 0.3109

Trichromacy



Original Color

83.4373, 0.3137, 0.3362

Protanomaly

83.2509, 0.3185, 0.3352

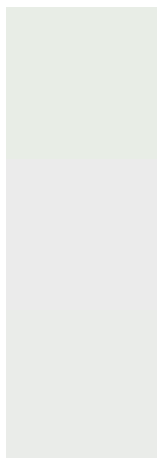
Deuteranomaly

83.3136, 0.3230, 0.3290

Tritanomaly

83.4407, 0.3065, 0.3198

Monochromacy



Original Color

83.4373, 0.3137, 0.3362

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.3665, 0.3132, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4373, 0.3137, 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(232, 237, 230)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 237, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 237, 230) }
```

Border

The CSS property to change the border of an element to Yxy 83.4373, 0.3137, 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(232, 237, 230) }
```

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

```
.border{ border-color:rgb(232, 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(232, 237, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 237, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 237, 230);  
box-shadow:4px 4px 4px 4px rgb(232, 237,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4373, 0.3137, 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(232, 237, 230) }
```

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

```
.background{ background-color: rgb(232,  
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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