

Converting Colors

Yxy(83.2608, 0.3134, 0.3451)

Have a look what the booklet for
Yxy(83.2608, 0.3134, 0.3451)
contains.

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Color

Yxy(83.2836, 0.3133, 0.3448)

Conversions

Conversions Part 1

Format	Color
Hex	E2EFE0
RGB	226, 239, 224
RGB Percent	89%, 94%, 88%
CMY	0.1138, 0.0627, 0.1217
CMYK	0.05, 0.00, 0.06, 0.06
HSL	112°, 32%, 91%
HSV	112°, 6%, 94%
XYZ	75.6750, 83.2836, 82.5831
YIQ	233.4030, -2.9330, -7.4210

Conversions

Conversions Part 2

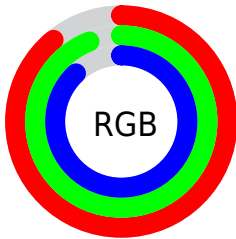
Format	Color
RYB	224, 239, 237
Decimal	14872544
CIELab	93.14, -7.00, 5.78
CIELCh	93, 9.080, 140.484
Yxy	83.2836, 0.3133, 0.3448
Android (android.graphics.Color)	4293062624 (0xFFE2EFE0)
YUV	233.4030, -4.6357, -6.4924
Hunter-Lab	91.2598, -11.6879, 10.2290

Details

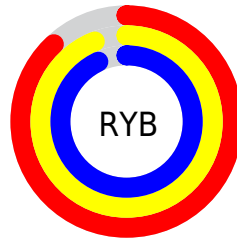
The Yxy color **83.2836, 0.3133, 0.3448** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.5326, 0.3120, 0.3136**, and the grayscale version is **81.8400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3895, 0.3135, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **78.9320, 0.3141, 0.3725**, and if you desaturate by 10%, it is **88.2291, 0.3124, 0.3203**.

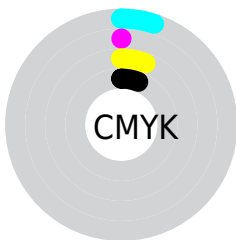
Distribution



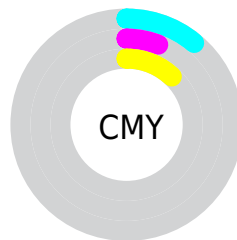
- Red (89%)
- Green (94%)
- Blue (88%)



- Red (88%)
- Yellow (94%)
- Blue (93%)



- Cyan (5%)
- Magenta (0%)
- Yellow (6%)
- Black (6%)





- Cyan (11%)
- Magenta (6%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2836, 0.3133, 0.3448 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 83.2836, 0.3133, 0.3448 by changing the saturation by 10% instead.


 83.2836, 0.3133,
0.3448

 83.2836, 0.3133,
0.3448


505.9312, 0.3131,
0.3376

 62.4241, 0.3133,
0.3464


137.9726, 0.3132,
0.3423

 45.3755, 0.3134,
0.3484


172.5709, 0.3132,
0.3413

 31.7533, 0.3134,
0.3509


212.5176, 0.3132,
0.3405

 21.1731, 0.3135,
0.3542

258.1972, 0.3132,
0.3398

 13.2506, 0.3135,
0.3586

309.9939, 0.3131,
0.3391

 7.6013, 0.3136,
0.3649

368.2922, 0.3131,

 3.8409, 0.3135,

0.3386

0.3746

433.4765, 0.3131,
0.3380

■ 1.5850, 0.3132,
0.3914

■ 0.3474, 0.3143,
0.6857

■ 83.2836, 0.3133,
0.3448

■ 83.2836, 0.3133,
0.3448

■ 78.9320, 0.3141,
0.3725

■ 88.2291, 0.3124,
0.3203

■ 75.1417, 0.3146,
0.4033

■ 90.2225, 0.3134,
0.3136

■ 71.8930, 0.3147,
0.4365

■ 69.1610, 0.3144,
0.4712

■ 66.9188, 0.3134,
0.5056

■ 65.1369, 0.3118,
0.5374

■ 63.7830, 0.3095,
0.5641

■ 62.8200, 0.3068,
0.5836

■ 62.2042, 0.3039,
0.5949

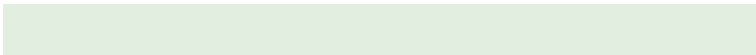
Harmonies

Analogous

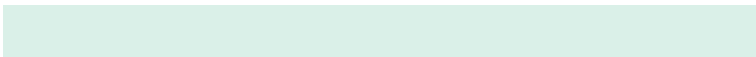
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2836, 0.3235, 0.3473



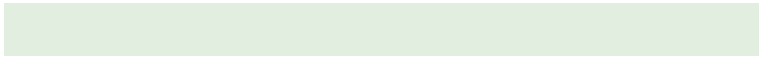
83.2836, 0.3133, 0.3448



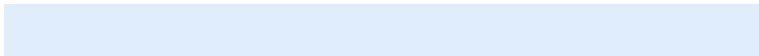
83.2836, 0.3031, 0.3378

Triad

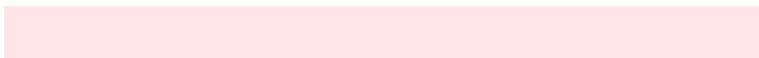
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2836, 0.3133, 0.3448



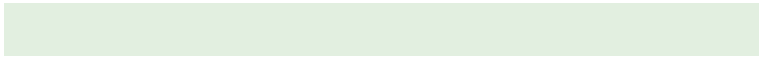
83.2836, 0.2948, 0.3132



83.2836, 0.3302, 0.3292

Complementary

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



83.2836, 0.3133, 0.3448



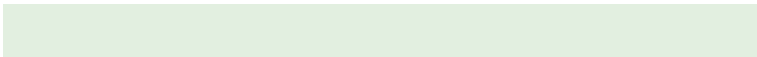
77.5326, 0.3120, 0.3136

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.



83.2836, 0.3223, 0.3204



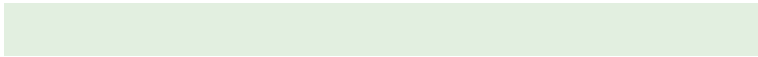
83.2836, 0.3133, 0.3448



83.2836, 0.3018, 0.3112

Square

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



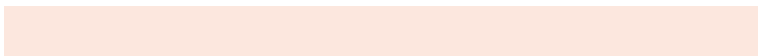
83.2836, 0.3133, 0.3448



83.2836, 0.2925, 0.3194



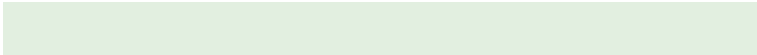
83.2836, 0.3119, 0.3139



83.2836, 0.3333, 0.3381

Rectangle

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



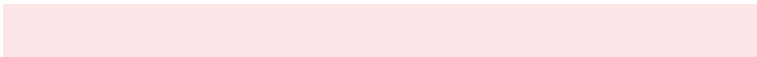
83.2836, 0.3133, 0.3448



83.2836, 0.2976, 0.3317



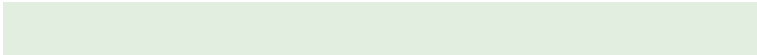
83.2836, 0.3119, 0.3139



83.2836, 0.3280, 0.3262

Sweetspot

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



83.2872, 0.3133, 0.3448



98.8472, 0.3129, 0.3339



84.1624, 0.3222, 0.3421



21.1695, 0.3129, 0.3337



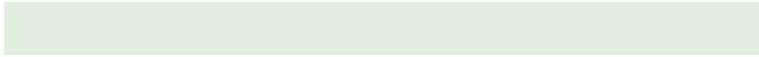
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

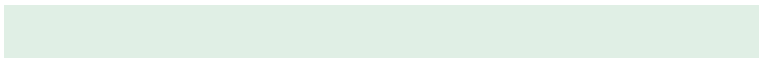
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2872, 0.3133, 0.3448



95.5549, 0.3134, 0.3494



83.2548, 0.3088, 0.3393



17.7574, 0.3136, 0.3533



34.3153, 0.3036, 0.5971



2.8863, 0.3102, 0.5919

Inverse Universe

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



77.5326, 0.3120, 0.3136



87.1554, 0.3118, 0.3092



77.5732, 0.3169, 0.3190



15.9183, 0.3117, 0.3056



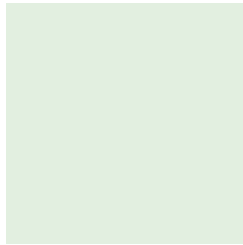
10.8260, 0.2875, 0.1357



0.9300, 0.2921, 0.1383

Previews

White Background



This preview shows how the Yxy color 83.2836, 0.3133, 0.3448 looks on a white background.

Color Contrast Check

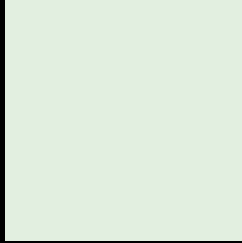
Large Text (above 18pt) WCAG AA × Fail

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 83.2836, 0.3133, 0.3448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

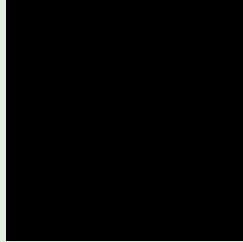
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

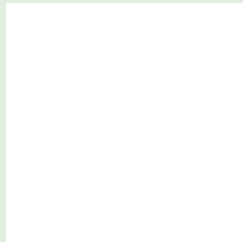
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2836, 0.3133, 0.3448

Background



This preview shows how black text looks on a background with the Yxy color 83.2836, 0.3133, 0.3448.

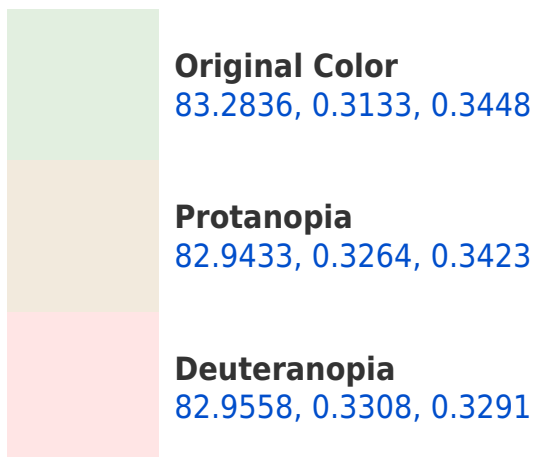


This preview shows how white text looks on a background with the Yxy color 83.2836, 0.3133, 0.3448.

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

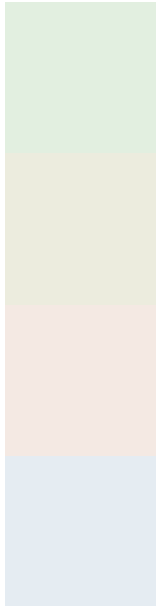




Tritanopia

83.4974, 0.2992, 0.3107

Trichromacy



Original Color

83.2836, 0.3133, 0.3448

Protanomaly

83.0977, 0.3215, 0.3435

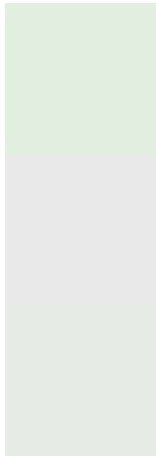
Deuteranomaly

83.0570, 0.3240, 0.3351

Tritanomaly

83.0597, 0.3044, 0.3228

Monochromacy



Original Color

83.2836, 0.3133, 0.3448

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.9528, 0.3125, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2836, 0.3133, 0.3448 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(226, 239, 224)` looks like.

```
.text, #text, p{  
    color:rgb(226, 239, 224)  
}
```

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(226, 239, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 239, 224) }
```

Border

The CSS property to change the border of an element to Yxy 83.2836, 0.3133, 0.3448 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(226, 239, 224) }
```

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

```
.border{ border-color:rgb(226, 239, 224) }
```

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

Here you see how a box with a 4 pixel rgb(226, 239, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 239, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 239, 224);  
box-shadow:4px 4px 4px 4px rgb(226, 239,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2836, 0.3133, 0.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 239, 224) }
```

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

```
.background{ background-color: rgb(226,  
239, 224) }
```

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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