

Converting Colors

$Y_{xy}(83.8753, 0.3150, 0.3281)$

Have a look what the booklet for
Yxy(83.8753, 0.3150, 0.3281)
contains.

Yxy(83.8235, 0.3148, 0.3280)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.8235, 0.3148, 0.3280)

Conversions

Conversions Part 1

Format	Color
Hex	EFEBEC
RGB	239, 235, 236
RGB Percent	94%, 92%, 93%
CMY	0.0626, 0.0784, 0.0746
CMYK	0.00, 0.02, 0.01, 0.06
HSL	345°, 11%, 93%
HSV	345°, 2%, 94%
XYZ	80.4501, 83.8235, 91.2858
YIQ	236.3100, 2.0630, 1.1590

Conversions

Conversions Part 2

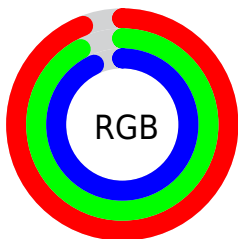
Format	Color
R _{YB}	239, 235, 236
Decimal	15723500
CIE Lab	93.37, 1.53, -0.01
CIE LCh	93, 1.530, 359.580
Yxy	83.8235, 0.3148, 0.3280
Android (android.graphics.Color)	4293913580 (0xFFEFEBEC)
YUV	236.3100, -0.1528, 2.3591
Hunter-Lab	91.5552, -3.3725, 4.9730

Details

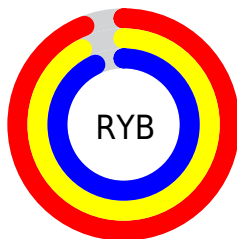
The Yxy color **83.8235, 0.3148, 0.3280** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.5863, 0.3107, 0.3300**, and the grayscale version is **84.1349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6028, 0.3154, 0.3277** is the 20% darker color. If you saturate the color by 10%, you get **70.0514, 0.3288, 0.3218**, and if you desaturate by 10%, it is **97.0327, 0.3035, 0.3299**.

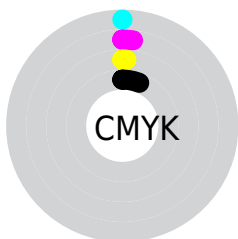
Distribution



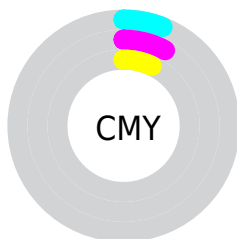
- Red (94%)
- Green (92%)
- Blue (93%)



- Red (94%)
- Yellow (92%)
- Blue (93%)



- Cyan (0%)
- Magenta (2%)
- Yellow (1%)
- Black (6%)





- Cyan (6%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8235, 0.3148, 0.3280 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 83.8235, 0.3148, 0.3280 by changing the saturation by 10% instead.

 83.8235, 0.3148,
0.3280

 83.8235, 0.3148,
0.3280

507.7269, 0.3139,
0.3285

 62.8697, 0.3150,
0.3279


138.7283, 0.3145,
0.3282

 45.7358, 0.3153,
0.3278


173.4480, 0.3144,
0.3282

 32.0374, 0.3156,
0.3276


213.5252, 0.3142,
0.3283

 21.3901, 0.3160,
0.3274

259.3443, 0.3141,
0.3283

 13.4094, 0.3165,
0.3271

311.2896, 0.3141,
0.3284

 7.7111, 0.3173,
0.3268

369.7456, 0.3140,

 3.9106, 0.3185,

0.3284

0.3262

435.0965, 0.3139,
0.3284

■ 1.6237, 0.3204,
0.3252

■ 0.3735, 0.3344,
0.3183

■ 83.8235, 0.3148,
0.3280

■ 83.8235, 0.3148,
0.3280

■ 70.0514, 0.3288,
0.3218

■ 97.0327, 0.3035,
0.3299

■ 58.1446, 0.3461,
0.3153

■ 97.0955, 0.3030,
0.3290

■ 48.0258, 0.3674,
0.3085

■ 39.6081, 0.3933,
0.3020

■ 32.7974, 0.4241,
0.2962

■ 27.4903, 0.4597,
0.2920

■ 23.5712, 0.4987,
0.2906

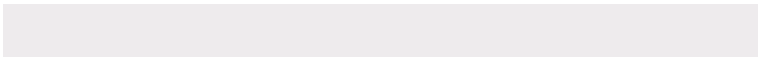
■ 20.9078, 0.5381,
0.2929

■ 19.3413, 0.5738,
0.2993

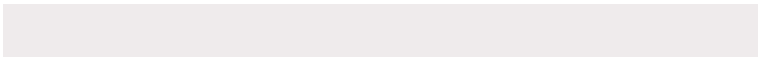
Harmonies

Analogous

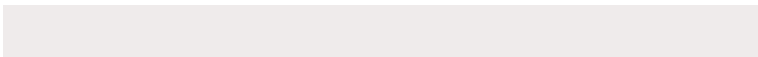
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8235, 0.3131, 0.3267



83.8235, 0.3148, 0.3280



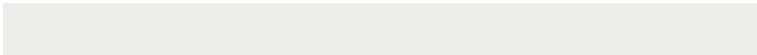
83.8235, 0.3159, 0.3296

Triad

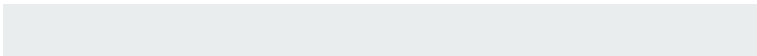
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8235, 0.3148, 0.3280



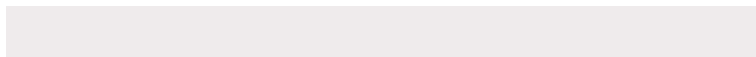
83.8235, 0.3141, 0.3320



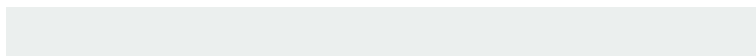
83.8235, 0.3093, 0.3270

Complementary

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



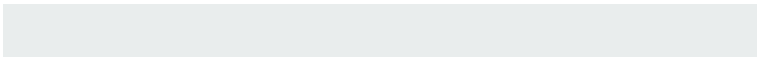
83.8235, 0.3148, 0.3280



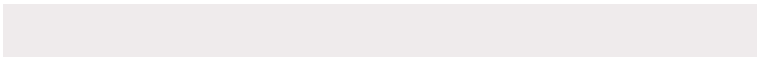
85.5863, 0.3107, 0.3300

Split Complementary

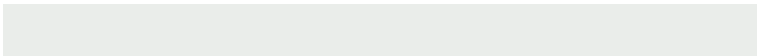
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8235, 0.3096, 0.3285



83.8235, 0.3148, 0.3280



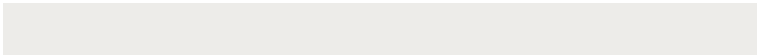
83.8235, 0.3123, 0.3313

Square

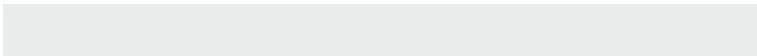
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



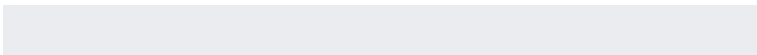
83.8235, 0.3148, 0.3280



83.8235, 0.3155, 0.3319



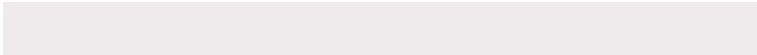
83.8235, 0.3107, 0.3300



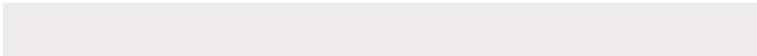
83.8235, 0.3100, 0.3262

Rectangle

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



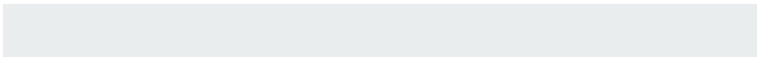
83.8235, 0.3148, 0.3280



83.8235, 0.3162, 0.3306



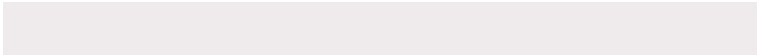
83.8235, 0.3107, 0.3300



83.8235, 0.3093, 0.3275

Sweetspot

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



83.8271, 0.3148, 0.3280



98.2605, 0.3139, 0.3284



83.8305, 0.3122, 0.3249



21.0501, 0.3139, 0.3284



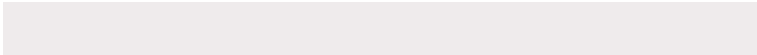
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



83.8271, 0.3148, 0.3280



96.5437, 0.3152, 0.3278



84.3481, 0.3154, 0.3300



18.1197, 0.3151, 0.3279



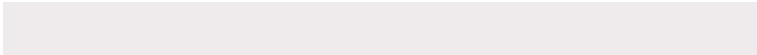
10.3310, 0.5943, 0.3048



0.8747, 0.5575, 0.2845

Inverse Universe

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



83.8271, 0.3148, 0.3280



96.5437, 0.3152, 0.3278



85.0565, 0.3101, 0.3280



18.1197, 0.3151, 0.3279



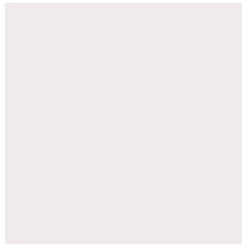
10.3310, 0.5943, 0.3048



0.8747, 0.5575, 0.2845

Previews

White Background



This preview shows how the Yxy color 83.8235, 0.3148, 0.3280 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 83.8235, 0.3148, 0.3280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

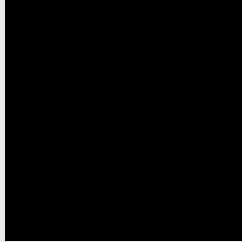
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

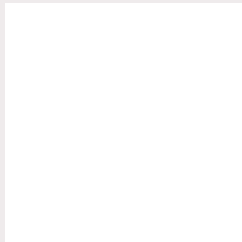
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8235, 0.3148, 0.3280

Background



This preview shows how black text looks on a background with the Yxy color 83.8235, 0.3148, 0.3280.

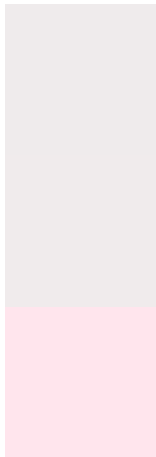


This preview shows how white text looks on a background with the Yxy color 83.8235, 0.3148, 0.3280.

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

83.8235, 0.3148, 0.3280

Protanopia

83.9981, 0.3154, 0.3280

Deuteranopia

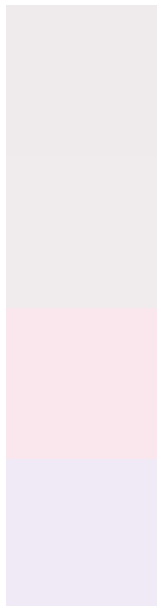
83.4130, 0.3255, 0.3212



Tritanopia

83.9436, 0.3069, 0.3110

Trichromacy



Original Color

83.8235, 0.3148, 0.3280

Protanomaly

83.9981, 0.3154, 0.3280

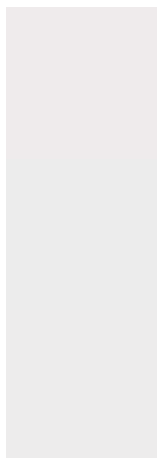
Deuteranomaly

83.4060, 0.3212, 0.3230

Tritanomaly

84.0247, 0.3093, 0.3170

Monochromacy



Original Color

83.8235, 0.3148, 0.3280

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.0516, 0.3134, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8235, 0.3148, 0.3280 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(239, 235, 236) looks like.

```
.text, #text, p{  
    color:rgb(239, 235, 236)  
}
```

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(239, 235, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 235, 236) }
```

Border

The CSS property to change the border of an element to Yxy 83.8235, 0.3148, 0.3280 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(239, 235, 236) }
```

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

```
.border{ border-color:rgb(239, 235, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 235, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 235, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 235, 236);  
box-shadow:4px 4px 4px 4px rgb(239, 235,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8235, 0.3148, 0.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 235, 236) }
```

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

```
.background{ background-color: rgb(239,  
235, 236) }
```

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