

Converting Colors

$Y_{xy}(83.8223, 0.3209, 0.3323)$

Have a look what the booklet for
Yxy(83.8223, 0.3209, 0.3323)
contains.

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Color

Yxy(83.6698, 0.3207, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	F3EAE7
RGB	243, 234, 231
RGB Percent	95%, 92%, 91%
CMY	0.0472, 0.0823, 0.0942
CMYK	0.00, 0.04, 0.05, 0.05
HSL	15°, 33%, 93%
HSV	15°, 5%, 95%
XYZ	80.7977, 83.6698, 87.4741
YIQ	236.3490, 6.3270, 0.9750

Conversions

Conversions Part 2

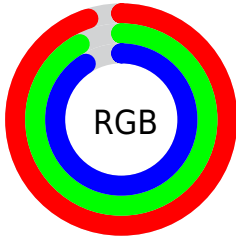
Format	Color
R _Y B	243, 235, 231
Decimal	15985383
CIE Lab	93.31, 2.50, 2.54
CIE LCh	93, 3.560, 45.420
Yxy	83.6698, 0.3207, 0.3321
Android (android.graphics.Color)	4294175463 (0xFF3EAE7)
YUV	236.3490, -2.6371, 5.8329
Hunter-Lab	91.4712, -2.4033, 7.3307

Details

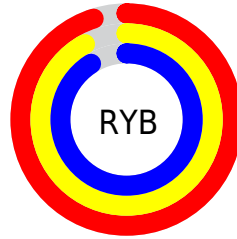
The Yxy color **83.6698, 0.3207, 0.3321** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.7317, 0.3051, 0.3259**, and the grayscale version is **84.1773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5007, 0.3231, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **72.5908, 0.3393, 0.3387**, and if you desaturate by 10%, it is **95.9859, 0.3054, 0.3262**.

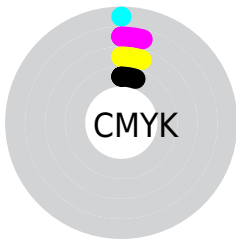
Distribution



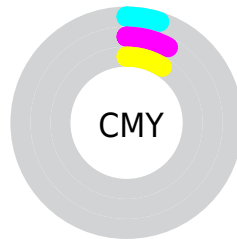
- Red (95%)
- Green (92%)
- Blue (91%)



- Red (95%)
- Yellow (92%)
- Blue (91%)



- Cyan (0%)
- Magenta (4%)
- Yellow (5%)
- Black (5%)





- Cyan (5%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6698, 0.3207, 0.3321 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 83.6698, 0.3207, 0.3321 by changing the saturation by 10% instead.


 83.6698, 0.3207,
0.3321

 83.6698, 0.3207,
0.3321


507.2161, 0.3171,
0.3307

 62.7429, 0.3215,
0.3324


138.5132, 0.3195,
0.3316

 45.6332, 0.3225,
0.3328


173.1984, 0.3190,
0.3314

 31.9565, 0.3237,
0.3332


213.2385, 0.3186,
0.3313

 21.3283, 0.3253,
0.3338

259.0179, 0.3182,
0.3311

 13.3642, 0.3275,
0.3346

310.9209, 0.3179,
0.3310

 7.6798, 0.3305,
0.3357

369.3321, 0.3176,

 3.8907, 0.3350,

0.3309

0.3374

434.6356, 0.3173,
0.3308

1.6126, 0.3427,
0.3400

0.3661, 0.4104,
0.3674

83.6698, 0.3207,
0.3321

83.6698, 0.3207,
0.3321

72.5908, 0.3393,
0.3387

95.9859, 0.3054,
0.3262

62.7162, 0.3615,
0.3457

97.7892, 0.3053,
0.3290

54.0081, 0.3879,
0.3528

46.4226, 0.4189,
0.3596

■ 39.9130, 0.4542,
0.3654

■ 34.4291, 0.4929,
0.3692

■ 29.9166, 0.5324,
0.3699

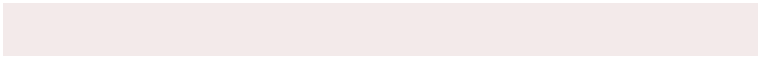
■ 26.3155, 0.5688,
0.3665

■ 23.5587, 0.5980,
0.3588

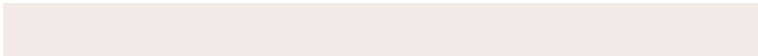
Harmonies

Analogous

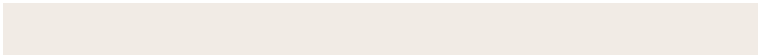
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6698, 0.3191, 0.3285



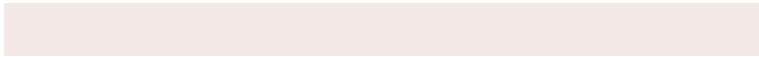
83.6698, 0.3207, 0.3321



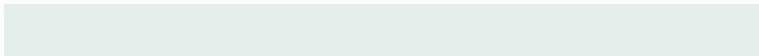
83.6698, 0.3201, 0.3349

Triad

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



83.6698, 0.3207, 0.3321



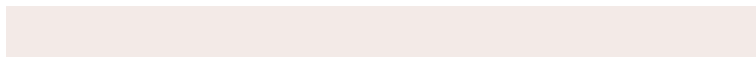
83.6698, 0.3096, 0.3330



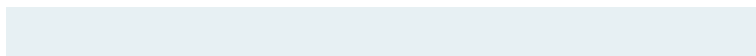
83.6698, 0.3079, 0.3220

Complementary

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



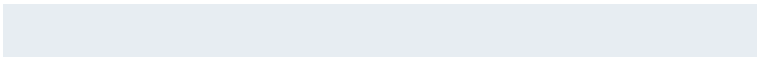
83.6698, 0.3207, 0.3321



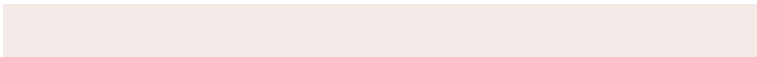
85.7317, 0.3051, 0.3259

Split Complementary

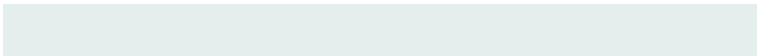
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6698, 0.3054, 0.3231



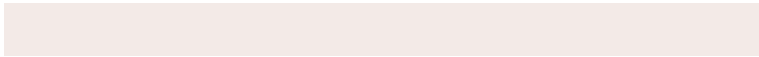
83.6698, 0.3207, 0.3321



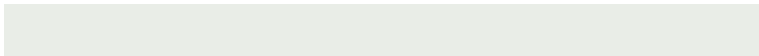
83.6698, 0.3064, 0.3295

Square

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



83.6698, 0.3207, 0.3321



83.6698, 0.3137, 0.3354



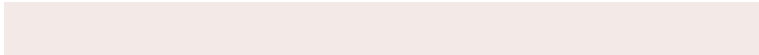
83.6698, 0.3048, 0.3259



83.6698, 0.3117, 0.3227

Rectangle

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



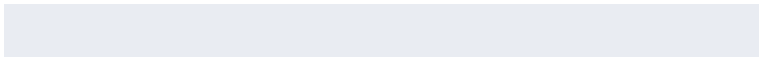
83.6698, 0.3207, 0.3321



83.6698, 0.3186, 0.3359



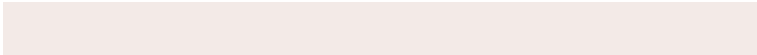
83.6698, 0.3048, 0.3259



83.6698, 0.3069, 0.3222

Sweetspot

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



83.6734, 0.3207, 0.3321



98.6285, 0.3143, 0.3296



82.4775, 0.3152, 0.3200



21.1250, 0.3142, 0.3296



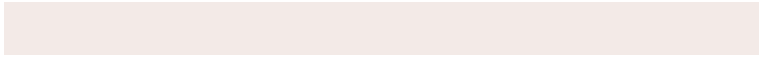
0.0000, 0.0000, 0.0000



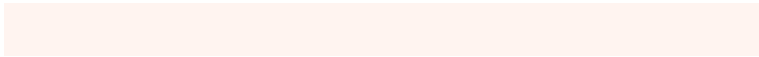
21.4041, 0.3127, 0.3290

Same Dimension

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



83.6734, 0.3207, 0.3321



91.9827, 0.3225, 0.3328



87.1205, 0.3202, 0.3381



17.8699, 0.3236, 0.3332



12.5081, 0.6070, 0.3562



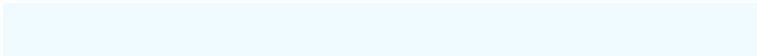
1.2573, 0.5828, 0.3754

Inverse Universe

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



85.7317, 0.3051, 0.3259



94.7618, 0.3034, 0.3252



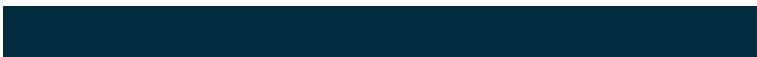
82.2855, 0.3052, 0.3198



18.4688, 0.3024, 0.3248



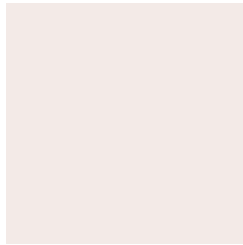
21.9983, 0.2013, 0.2446



2.0967, 0.2046, 0.2564

Previews

White Background



This preview shows how the Yxy color 83.6698, 0.3207, 0.3321 looks on a white background.

Color Contrast Check

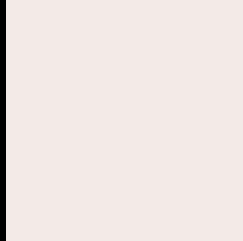
Large Text (above 18pt) WCAG AA × Fail

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 83.6698, 0.3207, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

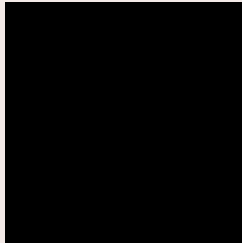
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

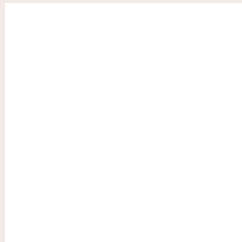
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6698, 0.3207, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 83.6698, 0.3207, 0.3321.

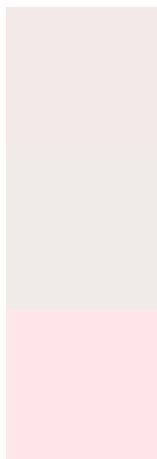


This preview shows how white text looks on a background with the Yxy color 83.6698, 0.3207, 0.3321.

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

83.6698, 0.3207, 0.3321

Protanopia

83.8870, 0.3193, 0.3331

Deuteranopia

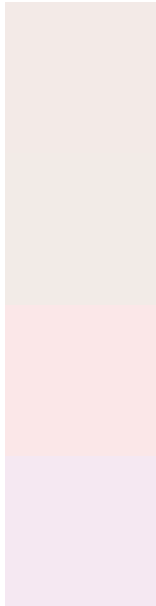
83.7368, 0.3281, 0.3261



Tritanopia

83.5842, 0.3115, 0.3112

Trichromacy



Original Color

83.6698, 0.3207, 0.3321

Protanomaly

84.0634, 0.3199, 0.3331

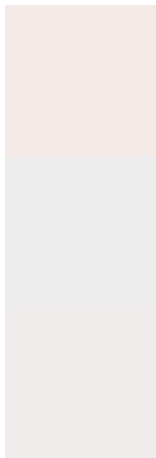
Deuteranomaly

83.4873, 0.3258, 0.3280

Tritanomaly

83.5365, 0.3152, 0.3190

Monochromacy



Original Color

83.6698, 0.3207, 0.3321

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7079, 0.3160, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6698, 0.3207, 0.3321 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(243, 234, 231)` looks like.

```
.text, #text, p{  
    color:rgb(243, 234, 231)  
}
```

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(243, 234, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 234, 231) }
```

Border

The CSS property to change the border of an element to Yxy 83.6698, 0.3207, 0.3321 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(243, 234, 231) }
```

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

```
.border{ border-color:rgb(243, 234, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 234, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 234, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 234, 231);  
box-shadow:4px 4px 4px 4px rgb(243, 234,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6698, 0.3207, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 234, 231) }
```

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

```
.background{ background-color: rgb(243,  
234, 231) }
```

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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