

Converting Colors

$Y_{xy}(83.1971, 0.3180, 0.3311)$

Have a look what the booklet for
Yxy(83.1971, 0.3180, 0.3311)
contains.

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Color

Yxy(83.1971, 0.3180, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	F0EAE8
RGB	240, 234, 232
RGB Percent	94%, 92%, 91%
CMY	0.0591, 0.0822, 0.0903
CMYK	0.00, 0.02, 0.03, 0.06
HSL	15°, 21%, 93%
HSV	15°, 3%, 94%
XYZ	79.9054, 83.1971, 88.1723
YIQ	235.5660, 4.2180, 0.6500

Conversions

Conversions Part 2

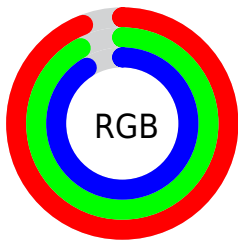
Format	Color
R _Y B	240, 235, 232
Decimal	15788776
CIE Lab	93.10, 1.64, 1.69
CIE LCh	93, 2.351, 45.845
Yxy	83.1971, 0.3180, 0.3311
Android (android.graphics.Color)	4293978856 (0xFF0EAE8)
YUV	235.5660, -1.7580, 3.8886
Hunter-Lab	91.2124, -3.2493, 6.5348

Details

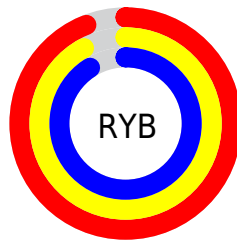
The Yxy color **83.1971, 0.3180, 0.3311** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.5250, 0.3076, 0.3269**, and the grayscale version is **83.5385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1657, 0.3196, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **72.2874, 0.3360, 0.3378**, and if you desaturate by 10%, it is **95.2578, 0.3035, 0.3259**.

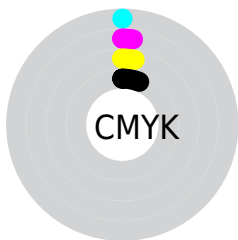
Distribution



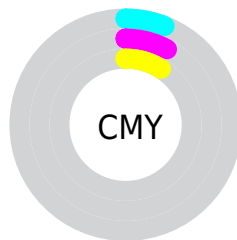
- Red (94%)
- Green (92%)
- Blue (91%)



- Red (94%)
- Yellow (92%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (6%)





- Cyan (6%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1971, 0.3180, 0.3311 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 83.1971, 0.3180, 0.3311 by changing the saturation by 10% instead.


 83.1971, 0.3180,
0.3311

 83.1971, 0.3180,
0.3311


505.6432, 0.3156,
0.3302

 62.3528, 0.3185,
0.3313

137.8515, 0.3172,
0.3308

 45.3178, 0.3192,
0.3316


172.4303, 0.3169,
0.3307

 31.7078, 0.3200,
0.3319

212.3561, 0.3166,
0.3305

 21.1384, 0.3211,
0.3323

258.0132, 0.3163,
0.3305

 13.2252, 0.3225,
0.3328

309.7861, 0.3161,
0.3304

 7.5838, 0.3245,
0.3336

368.0591, 0.3159,

 3.8298, 0.3275,

0.3303

0.3347

433.2167, 0.3158,
0.3302

■ 1.5788, 0.3326,
0.3366

■ 0.3433, 0.3794,
0.3556

■ 83.1971, 0.3180,
0.3311

■ 83.1971, 0.3180,
0.3311

■ 72.2874, 0.3360,
0.3378

■ 95.2578, 0.3035,
0.3259

■ 62.5430, 0.3575,
0.3448

■ 97.2549, 0.3035,
0.3290

■ 53.9282, 0.3832,
0.3520

■ 46.4012, 0.4133,
0.3590

■ 39.9178, 0.4478,
0.3651

■ 34.4306, 0.4858,
0.3694

■ 29.8882, 0.5252,
0.3707

■ 26.2345, 0.5623,
0.3681

■ 23.4064, 0.5929,
0.3611

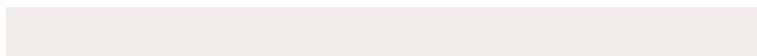
Harmonies

Analogous

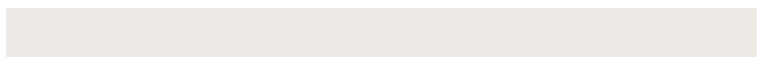
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1971, 0.3170, 0.3287



83.1971, 0.3180, 0.3311



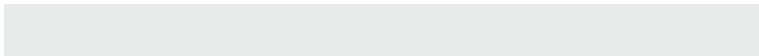
83.1971, 0.3176, 0.3329

Triad

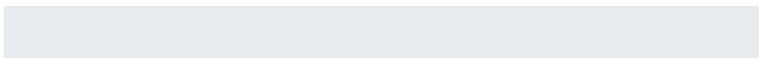
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1971, 0.3180, 0.3311



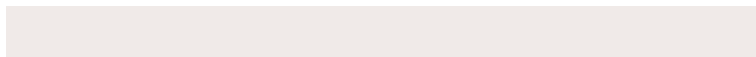
83.1971, 0.3106, 0.3316



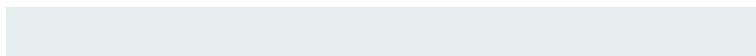
83.1971, 0.3096, 0.3244

Complementary

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



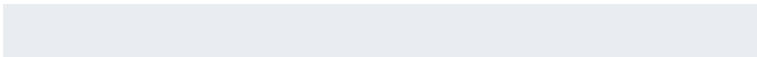
83.1971, 0.3180, 0.3311



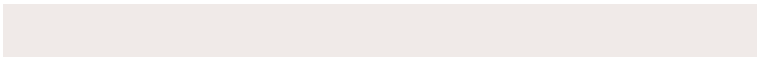
84.5250, 0.3076, 0.3269

Split Complementary

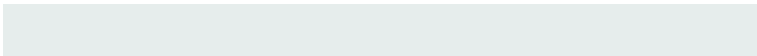
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1971, 0.3079, 0.3251



83.1971, 0.3180, 0.3311



83.1971, 0.3085, 0.3293

Square

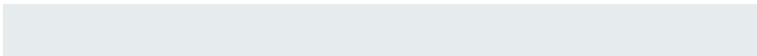
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1971, 0.3180, 0.3311



83.1971, 0.3133, 0.3332



83.1971, 0.3075, 0.3269



83.1971, 0.3121, 0.3249

Rectangle

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



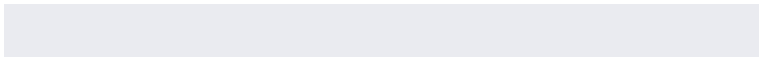
83.1971, 0.3180, 0.3311



83.1971, 0.3166, 0.3336



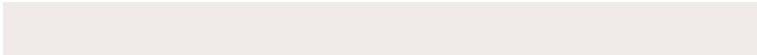
83.1971, 0.3075, 0.3269



83.1971, 0.3089, 0.3245

Sweetspot

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



83.2007, 0.3180, 0.3311



98.6346, 0.3143, 0.3296



82.3850, 0.3143, 0.3230



21.1263, 0.3142, 0.3296



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

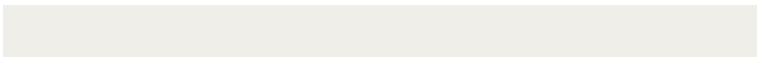
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2007, 0.3180, 0.3311



94.6227, 0.3191, 0.3316



85.4597, 0.3177, 0.3351



17.5470, 0.3204, 0.3320



12.1953, 0.6060, 0.3570



1.1697, 0.5805, 0.3773

Inverse Universe

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



84.5250, 0.3076, 0.3269



96.4526, 0.3065, 0.3264



82.2668, 0.3077, 0.3229



17.9496, 0.3054, 0.3260



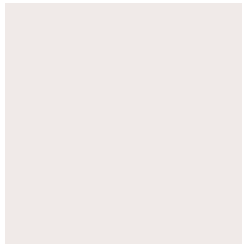
21.1466, 0.2009, 0.2434



1.9183, 0.2044, 0.2560

Previews

White Background



This preview shows how the Yxy color 83.1971, 0.3180, 0.3311 looks on a white background.

Color Contrast Check

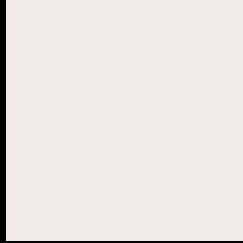
Large Text (above 18pt) WCAG AA × Fail

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 83.1971, 0.3180, 0.3311 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

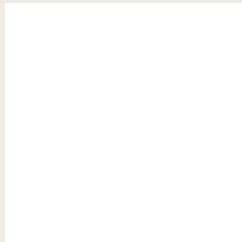
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1971, 0.3180, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 83.1971, 0.3180, 0.3311.

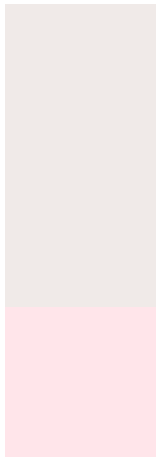


This preview shows how white text looks on a background with the Yxy color 83.1971, 0.3180, 0.3311.

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

83.1971, 0.3180, 0.3311

Protanopia

83.1971, 0.3180, 0.3311

Deuteranopia

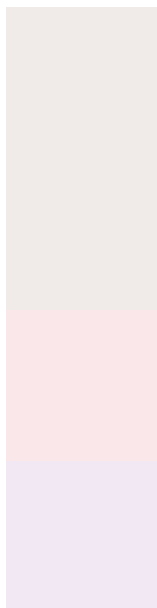
83.2391, 0.3275, 0.3241



Tritanopia

83.1086, 0.3089, 0.3101

Trichromacy



Original Color

83.1971, 0.3180, 0.3311

Protanomaly

83.1971, 0.3180, 0.3311

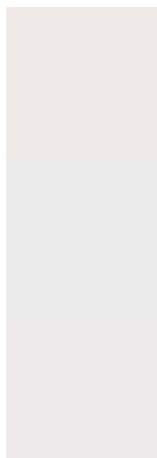
Deuteranomaly

83.3590, 0.3245, 0.3270

Tritanomaly

83.0615, 0.3126, 0.3180

Monochromacy



Original Color

83.1971, 0.3180, 0.3311

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.4193, 0.3141, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1971, 0.3180, 0.3311 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(240, 234, 232) looks like.

```
.text, #text, p{  
    color:rgb(240, 234, 232)  
}
```

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(240, 234, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 234, 232) }
```

Border

The CSS property to change the border of an element to Yxy 83.1971, 0.3180, 0.3311 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(240, 234, 232) }
```

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

```
.border{ border-color:rgb(240, 234, 232) }
```

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

Here you see how a box with a 4 pixel rgb(240, 234, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 234, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 234, 232);  
box-shadow:4px 4px 4px 4px rgb(240, 234,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1971, 0.3180, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 234, 232) }
```

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

```
.background{ background-color: rgb(240,  
234, 232) }
```

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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