

Converting Colors

$Yxy(84.1980, 0.3185, 0.3317)$

Have a look what the booklet for
Yxy(84.1980, 0.3185, 0.3317)
contains.

Yxy(84.0006, 0.3180, 0.3310)	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(84.0006, 0.3180, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	F1EBE9
RGB	241, 235, 233
RGB Percent	95%, 92%, 91%
CMY	0.0548, 0.0784, 0.0861
CMYK	0.00, 0.03, 0.03, 0.05
HSL	15°, 22%, 93%
HSV	15°, 3%, 95%
XYZ	80.7015, 84.0006, 89.0762
YIQ	236.5660, 4.2180, 0.6500

Conversions

Conversions Part 2

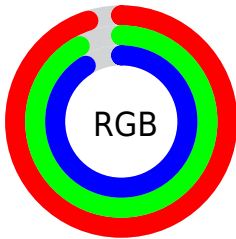
Format	Color
R _Y B	241, 236, 233
Decimal	15854569
CIE Lab	93.45, 1.69, 1.66
CIE LCh	93, 2.366, 44.400
Yxy	84.0006, 0.3180, 0.3310
Android (android.graphics.Color)	4294044649 (0xFF1EBE9)
YUV	236.5660, -1.7580, 3.8886
Hunter-Lab	91.6518, -3.2175, 6.5325

Details

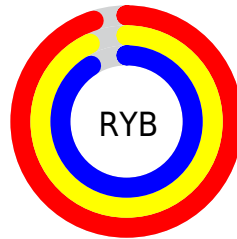
The Yxy color **84.0006, 0.3180, 0.3310** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.4522, 0.3076, 0.3270**, and the grayscale version is **84.3544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7288, 0.3196, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **72.8315, 0.3360, 0.3374**, and if you desaturate by 10%, it is **96.2915, 0.3042, 0.3272**.

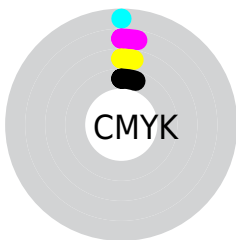
Distribution



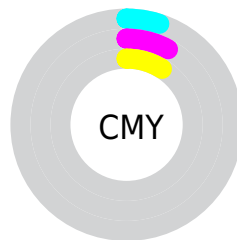
- Red (95%)
- Green (92%)
- Blue (91%)



- Red (95%)
- Yellow (93%)
- Blue (91%)



- Cyan (0%)
- Magenta (3%)
- Yellow (3%)
- Black (5%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0006, 0.3180, 0.3310 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 84.0006, 0.3180, 0.3310 by changing the saturation by 10% instead.


 84.0006, 0.3180,
0.3310

 84.0006, 0.3180,
0.3310


508.3152, 0.3156,
0.3301

 63.0159, 0.3185,
0.3312


138.9760, 0.3172,
0.3307

 45.8541, 0.3192,
0.3314

173.7356, 0.3169,
0.3306

 32.1307, 0.3200,
0.3317

213.8555, 0.3166,
0.3305

 21.4614, 0.3210,
0.3321

259.7203, 0.3163,
0.3304

 13.4616, 0.3225,
0.3326

311.7142, 0.3161,
0.3303

 7.7472, 0.3244,
0.3333

370.2218, 0.3159,

 3.9336, 0.3274,

0.3302

435.6273, 0.3158,
0.3302

0.3344

1.6365, 0.3325,
0.3362

0.3820, 0.3721,
0.3516

84.0006, 0.3180,
0.3310

84.0006, 0.3180,
0.3310

72.8315, 0.3360,
0.3374

96.2915, 0.3042,
0.3272

62.8724, 0.3577,
0.3441

97.4450, 0.3042,
0.3290

54.0854, 0.3835,
0.3510

46.4267, 0.4139,
0.3576

■ 39.8496, 0.4489,
0.3634

■ 34.3041, 0.4874,
0.3674

■ 29.7361, 0.5274,
0.3686

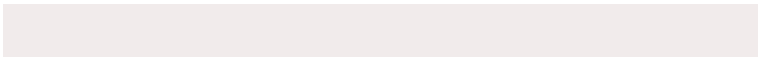
■ 26.0862, 0.5649,
0.3658

■ 23.2877, 0.5956,
0.3589

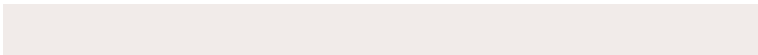
Harmonies

Analogous

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



84.0006, 0.3169, 0.3286



84.0006, 0.3180, 0.3310



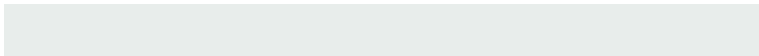
84.0006, 0.3177, 0.3329

Triad

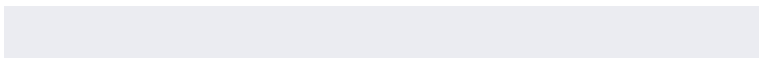
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0006, 0.3180, 0.3310



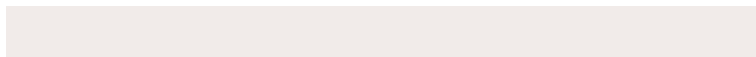
84.0006, 0.3107, 0.3317



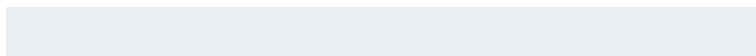
84.0006, 0.3094, 0.3244

Complementary

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



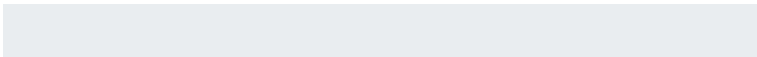
84.0006, 0.3180, 0.3310



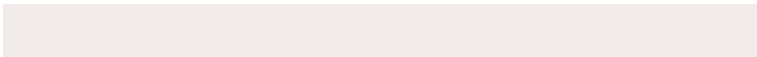
85.4522, 0.3076, 0.3270

Split Complementary

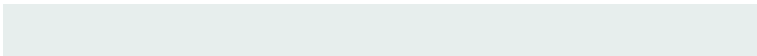
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0006, 0.3078, 0.3252



84.0006, 0.3180, 0.3310



84.0006, 0.3086, 0.3294

Square

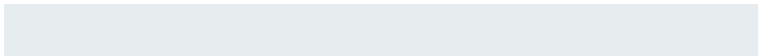
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0006, 0.3180, 0.3310



84.0006, 0.3135, 0.3333



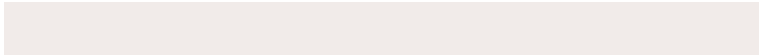
84.0006, 0.3075, 0.3270



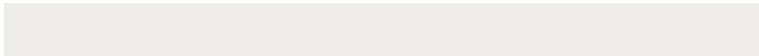
84.0006, 0.3120, 0.3248

Rectangle

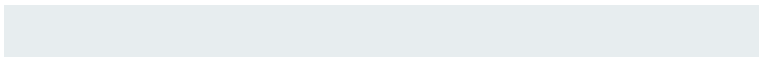
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



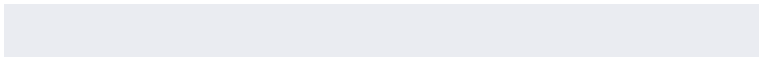
84.0006, 0.3180, 0.3310



84.0006, 0.3167, 0.3336



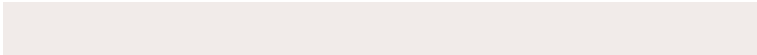
84.0006, 0.3075, 0.3270



84.0006, 0.3088, 0.3245

Sweetspot

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



84.0042, 0.3180, 0.3310



98.6152, 0.3143, 0.3296



83.2442, 0.3143, 0.3228



21.1223, 0.3142, 0.3296



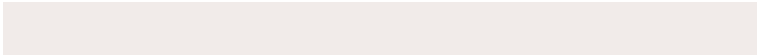
0.0000, 0.0000, 0.0000



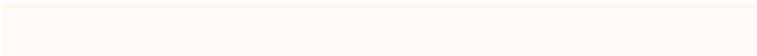
21.4041, 0.3127, 0.3290

Same Dimension

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



84.0042, 0.3180, 0.3310



94.5473, 0.3192, 0.3314



86.2609, 0.3177, 0.3349



17.5304, 0.3204, 0.3319



12.0217, 0.6086, 0.3550



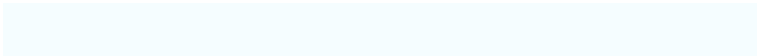
1.1514, 0.5832, 0.3751

Inverse Universe

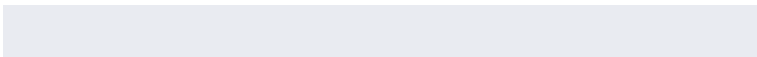
The Inverse Universe completely reimagines the original color for something new.



85.4522, 0.3076, 0.3270



96.5300, 0.3065, 0.3266



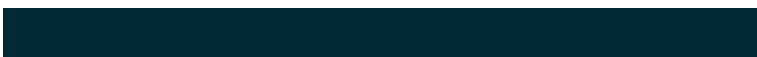
83.1933, 0.3077, 0.3230



17.9667, 0.3054, 0.3261



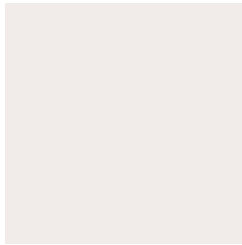
21.7787, 0.2021, 0.2476



1.9662, 0.2055, 0.2596

Previews

White Background



This preview shows how the Yxy color 84.0006, 0.3180, 0.3310 looks on a white background.

Color Contrast Check

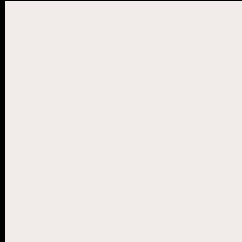
Large Text (above 18pt) WCAG AA × Fail

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 84.0006, 0.3180, 0.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

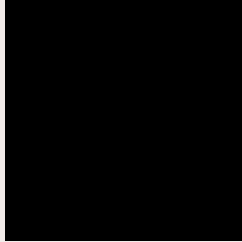
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

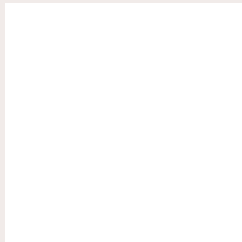
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0006, 0.3180, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 84.0006, 0.3180, 0.3310.

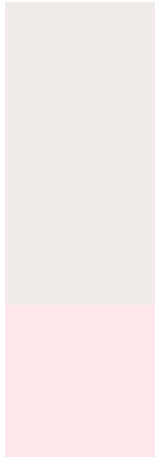


This preview shows how white text looks on a background with the Yxy color 84.0006, 0.3180, 0.3310.

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

84.0006, 0.3180, 0.3310

Protanopia

84.0006, 0.3180, 0.3310

Deuteranopia

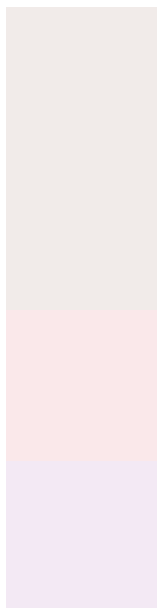
83.8518, 0.3267, 0.3241



Tritanopia

83.9114, 0.3089, 0.3102

Trichromacy



Original Color

84.0006, 0.3180, 0.3310

Protanomaly

84.0006, 0.3180, 0.3310

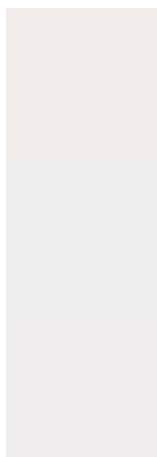
Deuteranomaly

83.9777, 0.3237, 0.3270

Tritanomaly

83.8642, 0.3126, 0.3180

Monochromacy



Original Color

84.0006, 0.3180, 0.3310

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.2242, 0.3141, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0006, 0.3180, 0.3310 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(241, 235, 233) looks like.

```
.text, #text, p{  
    color:rgb(241, 235, 233)  
}
```

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(241, 235, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 235, 233) }
```

Border

The CSS property to change the border of an element to Yxy 84.0006, 0.3180, 0.3310 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(241, 235, 233) }
```

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

```
.border{ border-color:rgb(241, 235, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 235, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 235, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 235, 233);  
box-shadow:4px 4px 4px 4px rgb(241, 235,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0006, 0.3180, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 235, 233) }
```

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

```
.background{ background-color: rgb(241,  
235, 233) }
```

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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