

Converting Colors

$Y_{xy}(85.2518, 0.3129, 0.3355)$

Have a look what the booklet for
Yxy(85.2518, 0.3129, 0.3355)
contains.

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Color

Yxy(85.1086, 0.3131, 0.3351)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EAEFE9 |
| RGB | 234, 239, 233 |
| RGB Percent | 92%, 94%, 91% |
| CMY | 0.0822, 0.0628, 0.0861 |
| CMYK | 0.02, 0.00, 0.02, 0.06 |
| HSL | 110°, 16%, 93% |
| HSV | 110°, 2%, 94% |
| XYZ | 79.5210, 85.1086, 89.3501 |
| YIQ | 236.8210, -1.0540, -2.9260 |

Conversions

Conversions Part 2

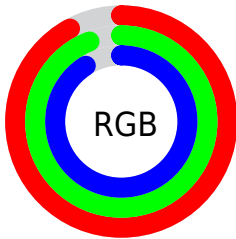
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 233, 239, 238 |
| Decimal | 15396841 |
| CIE Lab | 93.93, -2.69, 2.29 |
| CIE LCh | 94, 3.536, 139.636 |
| Yxy | 85.1086, 0.3131, 0.3351 |
| Android (android.graphics.Color) | 4293586921 (0xFFEAEFE9) |
| YUV | 236.8210, -1.8838, -2.4740 |
| Hunter-Lab | 92.2543, -7.5823, 7.1545 |

Details

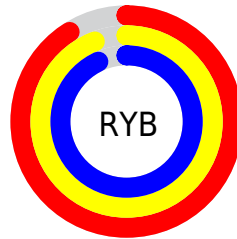
The Yxy color **85.1086, 0.3131, 0.3351** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.6999, 0.3123, 0.3229**, and the grayscale version is **84.5672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5063, 0.3132, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **80.6668, 0.3145, 0.3615**, and if you desaturate by 10%, it is **89.9931, 0.3127, 0.3136**.

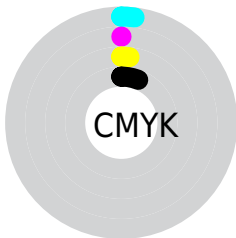
Distribution



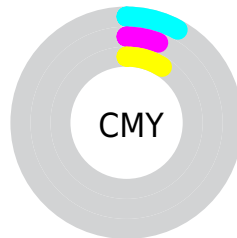
- Red (92%)
- Green (94%)
- Blue (91%)



- Red (91%)
- Yellow (94%)
- Blue (93%)



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1086, 0.3131, 0.3351 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 85.1086, 0.3131, 0.3351 by changing the saturation by 10% instead.

85.1086, 0.3131,
0.3351

85.1086, 0.3131,
0.3351

511.9874, 0.3129,
0.3324

63.9311, 0.3131,
0.3357

140.5249, 0.3130,
0.3342

46.5949, 0.3132,
0.3365

175.5325, 0.3130,
0.3338

32.7155, 0.3132,
0.3374

215.9189, 0.3130,
0.3335

21.9086, 0.3133,
0.3386

262.0686, 0.3130,
0.3332

13.7898, 0.3134,
0.3402

314.3659, 0.3130,
0.3329

7.9746, 0.3135,
0.3425

373.1952, 0.3130,

4.0787, 0.3136,

0.3327

0.3460

438.9409, 0.3129,
0.3325

■ 1.7177, 0.3139,
0.3518

■ 0.4351, 0.3172,
0.3968

■ 85.1086, 0.3131,
0.3351

■ 85.1086, 0.3131,
0.3351

■ 80.6668, 0.3145,
0.3615

■ 89.9931, 0.3127,
0.3136

■ 76.7621, 0.3158,
0.3910

■ 90.2066, 0.3134,
0.3136

■ 73.3772, 0.3166,
0.4231

■ 70.4900, 0.3169,
0.4570

■ 68.0766, 0.3165,
0.4914

■ 66.1112, 0.3153,
0.5241

■ 64.5654, 0.3133,
0.5528

■ 63.4074, 0.3104,
0.5752

■ 62.6007, 0.3070,
0.5899

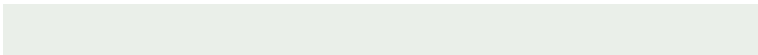
Harmonies

Analogous

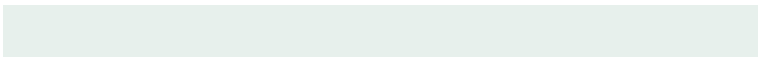
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1086, 0.3170, 0.3360



85.1086, 0.3131, 0.3351



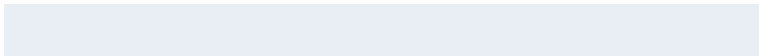
85.1086, 0.3091, 0.3325

Triad

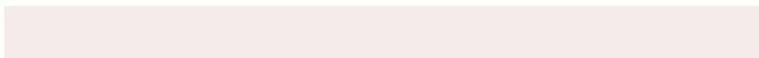
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1086, 0.3131, 0.3351



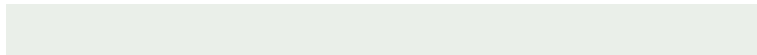
85.1086, 0.3057, 0.3229



85.1086, 0.3194, 0.3290

Complementary

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



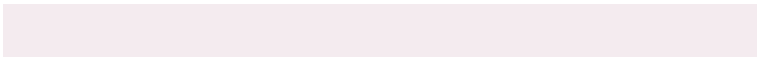
85.1086, 0.3131, 0.3351



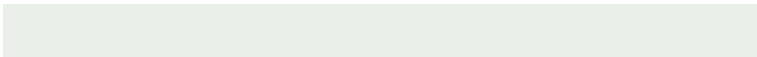
82.6999, 0.3123, 0.3229

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.



85.1086, 0.3163, 0.3256



85.1086, 0.3131, 0.3351



85.1086, 0.3084, 0.3221

Square

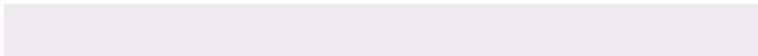
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



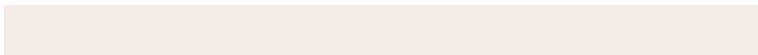
85.1086, 0.3131, 0.3351



85.1086, 0.3049, 0.3254



85.1086, 0.3123, 0.3230



85.1086, 0.3207, 0.3325

Rectangle

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



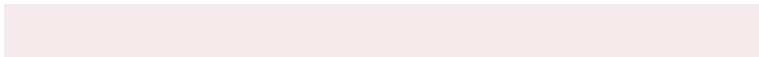
85.1086, 0.3131, 0.3351



85.1086, 0.3069, 0.3302



85.1086, 0.3123, 0.3230



85.1086, 0.3185, 0.3278

Sweetspot

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



85.1123, 0.3131, 0.3351



99.4379, 0.3129, 0.3314



85.3230, 0.3164, 0.3340



21.2897, 0.3129, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

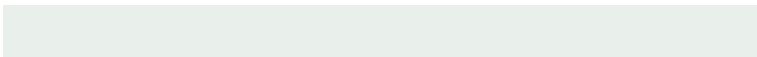
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1123, 0.3131, 0.3351



98.3334, 0.3132, 0.3364



85.0491, 0.3113, 0.3332



18.3403, 0.3133, 0.3384



34.4113, 0.3053, 0.5958



2.8998, 0.3129, 0.5897

Inverse Universe

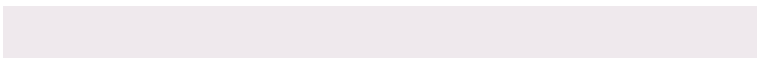
The Inverse Universe completely reimagines the original color for something new.



82.6999, 0.3123, 0.3229



94.9692, 0.3122, 0.3217



82.7653, 0.3142, 0.3249



17.5509, 0.3121, 0.3198



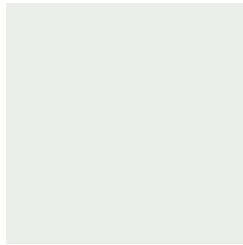
10.1468, 0.2781, 0.1306



0.8798, 0.2841, 0.1339

Previews

White Background



This preview shows how the Yxy color 85.1086, 0.3131, 0.3351 looks on a white background.

Color Contrast Check

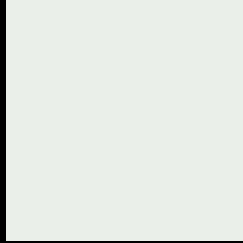
Large Text (above 18pt) WCAG AA × Fail

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 85.1086, 0.3131, 0.3351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

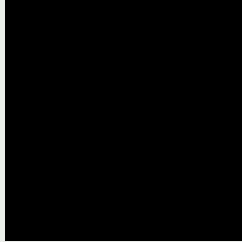
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

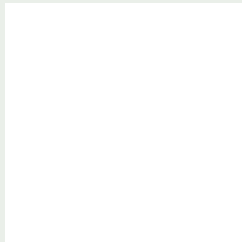
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.1086, 0.3131, 0.3351

Background



This preview shows how black text looks on a background with the Yxy color 85.1086, 0.3131, 0.3351.

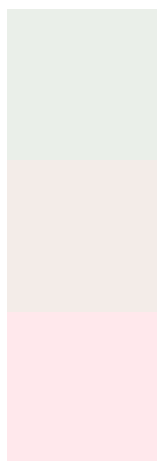


This preview shows how white text looks on a background with the Yxy color 85.1086, 0.3131, 0.3351.

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

85.1086, 0.3131, 0.3351

Protanopia

84.8718, 0.3199, 0.3331

Deuteranopia

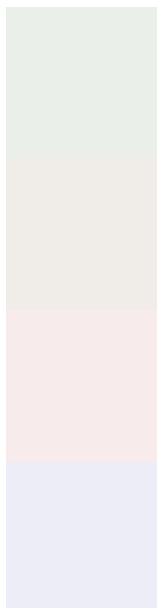
85.0294, 0.3259, 0.3251



Tritanopia

85.1512, 0.3024, 0.3110

Trichromacy



Original Color

85.1086, 0.3131, 0.3351

Protanomaly

84.9198, 0.3178, 0.3341

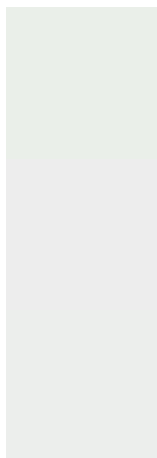
Deuteranomaly

85.1890, 0.3208, 0.3290

Tritanomaly

85.0551, 0.3066, 0.3199

Monochromacy



Original Color

85.1086, 0.3131, 0.3351

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.0381, 0.3126, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1086, 0.3131, 0.3351 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(234, 239, 233)` looks like.

```
.text, #text, p{  
    color:rgb(234, 239, 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(234, 239, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 239, 233) }
```

Border

The CSS property to change the border of an element to Yxy 85.1086, 0.3131, 0.3351 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(234, 239, 233) }
```

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

```
.border{ border-color:rgb(234, 239, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 239, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 239, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 239, 233);  
box-shadow:4px 4px 4px 4px rgb(234, 239,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1086, 0.3131, 0.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 239, 233) }
```

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

```
.background{ background-color: rgb(234,  
239, 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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