

Converting Colors

$Y_{xy}(85.2527, 0.3126, 0.3317)$

Have a look what the booklet for
Yxy(85.2527, 0.3126, 0.3317)
contains.

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Color

Yxy(85.0381, 0.3126, 0.3310)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | ECEEEC |
| RGB | 236, 238, 236 |
| RGB Percent | 93%, 93%, 93% |
| CMY | 0.0745, 0.0667, 0.0744 |
| CMYK | 0.01, 0.00, 0.01, 0.07 |
| HSL | 121°, 6%, 93% |
| HSV | 121°, 1%, 93% |
| XYZ | 80.3109, 85.0381, 91.5637 |
| YIQ | 237.1740, -0.5500, -1.0460 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 236, 238, 238 |
| Decimal | 15527660 |
| CIE Lab | 93.90, -1.01, 0.70 |
| CIE LCh | 94, 1.230, 145.086 |
| Yxy | 85.0381, 0.3126, 0.3310 |
| Android (android.graphics.Color) | 4293717740 (0xFFECEEEEC) |
| YUV | 237.1740, -0.5788, -1.0296 |
| Hunter-Lab | 92.2161, -5.9227, 5.6807 |

Details

The Yxy color **85.0381, 0.3126, 0.3310** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.3407, 0.3128, 0.3270**, and the grayscale version is **84.8378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4545, 0.3126, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **79.9630, 0.3111, 0.3567**, and if you desaturate by 10%, it is **89.6304, 0.3135, 0.3127**.

Distribution



Red (93%)

Green (93%)

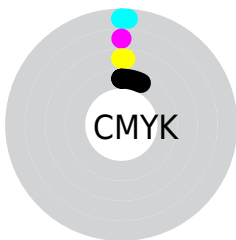
Blue (93%)



Red (93%)

Yellow (93%)

Blue (93%)

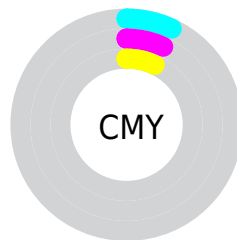


Cyan (1%)

Magenta (0%)

Yellow (1%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0381, 0.3126, 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 85.0381, 0.3126, 0.3310 by changing the saturation by 10% instead.

85.0381, 0.3126,
0.3310

85.0381, 0.3126,
0.3310

511.7541, 0.3127,
0.3301

63.8729, 0.3126,
0.3312

140.4264, 0.3126,
0.3307

46.5477, 0.3126,
0.3314

175.4183, 0.3126,
0.3306

32.6782, 0.3126,
0.3317

215.7878, 0.3126,
0.3305

21.8801, 0.3125,
0.3321

261.9194, 0.3126,
0.3304

13.7688, 0.3125,
0.3327

314.1974, 0.3126,
0.3303

7.9600, 0.3124,
0.3334


373.0063, 0.3126,

4.0694, 0.3124,


0.3302


438.7304, 0.3127,
0.3302


0.3345


 1.7125, 0.3122,
0.3363


 0.4317, 0.3115,
0.3486


 85.0381, 0.3126,
0.3310


 85.0381, 0.3126,
0.3310

 79.9630, 0.3111,
0.3567

 89.6304, 0.3135,
0.3127

 75.5771, 0.3095,
0.3859

 71.8541, 0.3078,
0.4182

 68.7617, 0.3060,
0.4530

■ 66.2650, 0.3042,
0.4887

■ 64.3258, 0.3026,
0.5231

■ 62.9012, 0.3013,
0.5535

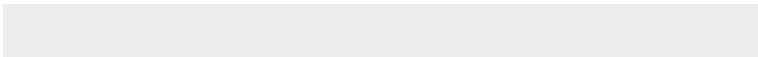
■ 61.9423, 0.3004,
0.5772

■ 61.3908, 0.2999,
0.5924

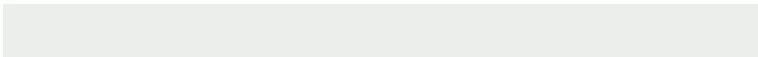
Harmonies

Analogous

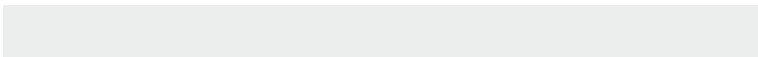
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0381, 0.3140, 0.3314



85.0381, 0.3126, 0.3310



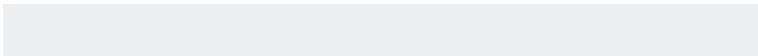
85.0381, 0.3112, 0.3300

Triad

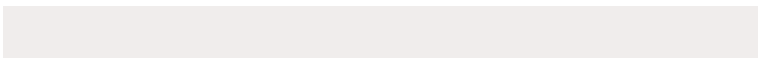
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.0381, 0.3126, 0.3310



85.0381, 0.3104, 0.3268



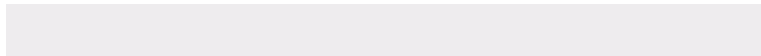
85.0381, 0.3152, 0.3293

Complementary

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



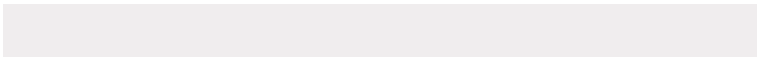
85.0381, 0.3126, 0.3310



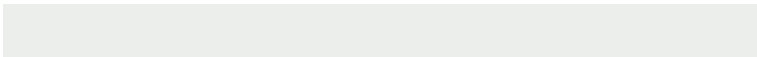
84.3407, 0.3128, 0.3270

Split Complementary

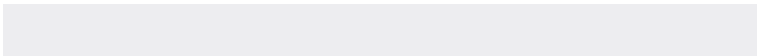
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0381, 0.3142, 0.3280



85.0381, 0.3126, 0.3310



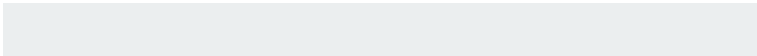
85.0381, 0.3115, 0.3266

Square

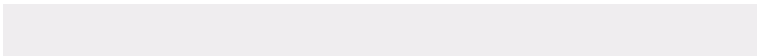
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



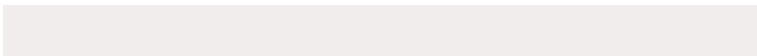
85.0381, 0.3126, 0.3310



85.0381, 0.3100, 0.3276



85.0381, 0.3128, 0.3271



85.0381, 0.3155, 0.3304

Rectangle

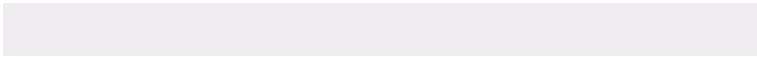
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



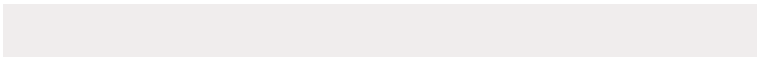
85.0381, 0.3126, 0.3310



85.0381, 0.3105, 0.3292



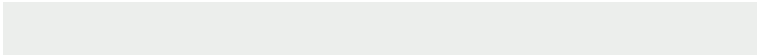
85.0381, 0.3128, 0.3271



85.0381, 0.3149, 0.3288

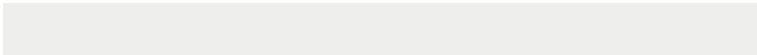
Sweetspot

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



85.0418, 0.3126, 0.3310

100.0000, 0.3127, 0.3290



85.3784, 0.3139, 0.3310



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

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



85.0418, 0.3126, 0.3310



99.3591, 0.3126, 0.3314



85.1001, 0.3120, 0.3300



18.6182, 0.3126, 0.3313



34.1218, 0.2997, 0.5989



2.8401, 0.2989, 0.5961

Inverse Universe

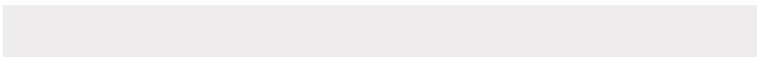
The Inverse Universe completely reimagines the original color for something new.



84.3407, 0.3128, 0.3270



98.3810, 0.3129, 0.3266



84.2820, 0.3135, 0.3280



18.4451, 0.3128, 0.3268



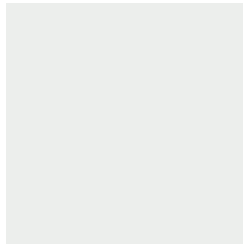
13.4574, 0.3251, 0.1565



1.1210, 0.3246, 0.1562

Previews

White Background



This preview shows how the Yxy color 85.0381, 0.3126, 0.3310 looks on a white background.

Color Contrast Check

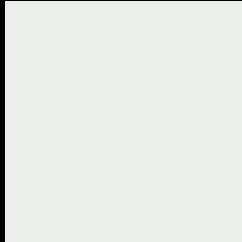
Large Text (above 18pt) WCAG AA × Fail

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 85.0381, 0.3126, 0.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

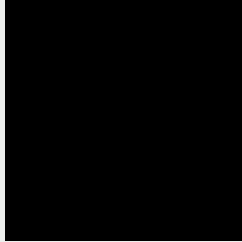
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

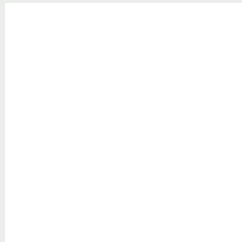
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.0381, 0.3126, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 85.0381, 0.3126, 0.3310.

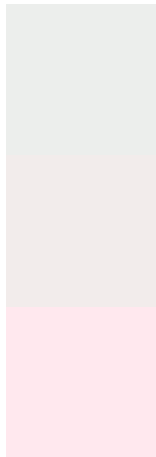


This preview shows how white text looks on a background with the Yxy color 85.0381, 0.3126, 0.3310.

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

85.0381, 0.3126, 0.3310

Protanopia

84.8663, 0.3174, 0.3300

Deuteranopia

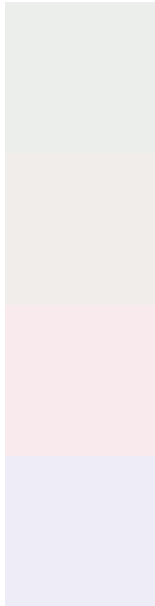
85.1463, 0.3246, 0.3231



Tritanopia

84.9231, 0.3038, 0.3101

Trichromacy



Original Color

85.0381, 0.3126, 0.3310

Protanomaly

85.0918, 0.3160, 0.3310

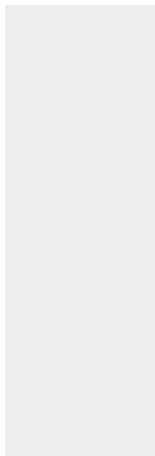
Deuteranomaly

84.9165, 0.3203, 0.3260

Tritanomaly

84.8834, 0.3073, 0.3179

Monochromacy



Original Color

85.0381, 0.3126, 0.3310

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.6873, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0381, 0.3126, 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(236, 238, 236)` looks like.

```
.text, #text, p{  
    color:rgb(236, 238, 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(236, 238, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 238, 236) }
```

Border

The CSS property to change the border of an element to Yxy 85.0381, 0.3126, 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(236, 238, 236) }
```

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

```
.border{ border-color:rgb(236, 238, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 238, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 238, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 238, 236);  
box-shadow:4px 4px 4px 4px rgb(236, 238,  
236) }
```

Background

The CSS property to change the background color of an element to Yxy 85.0381, 0.3126, 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(236, 238, 236) }
```

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

```
.background{ background-color: rgb(236,  
238, 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](#).

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