

Converting Colors

$Y_{xy}(85.7000, 0.3109, 0.3308)$

Have a look what the booklet for
Yxy(85.7000, 0.3109, 0.3308)
contains.

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Color

Yxy(85.5682, 0.3107, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	EBEFEE
RGB	235, 239, 238
RGB Percent	92%, 94%, 93%
CMY	0.0784, 0.0627, 0.0666
CMYK	0.02, 0.00, 0.00, 0.06
HSL	165°, 11%, 93%
HSV	165°, 2%, 94%
XYZ	80.5638, 85.5682, 93.1656
YIQ	237.6900, -2.0630, -1.1590

Conversions

Conversions Part 2

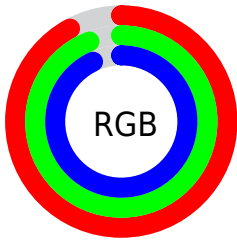
Format	Color
R _Y B	235, 237, 239
Decimal	15462382
CIE Lab	94.13, -1.50, 0.00
CIE LCh	94, 1.495, 179.906
Yxy	85.5682, 0.3107, 0.3300
Android (android.graphics.Color)	4293652462 (0xFFEBEFEE)
YUV	237.6900, 0.1528, -2.3591
Hunter-Lab	92.5031, -6.4193, 5.0375

Details

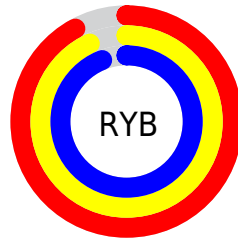
The Yxy color **85.5682, 0.3107, 0.3300** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.8312, 0.3148, 0.3280**, and the grayscale version is **85.2518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8281, 0.3101, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **81.4296, 0.2988, 0.3364**, and if you desaturate by 10%, it is **89.5225, 0.3203, 0.3242**.

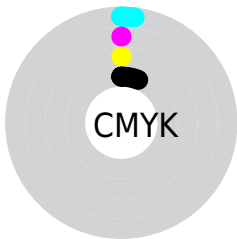
Distribution



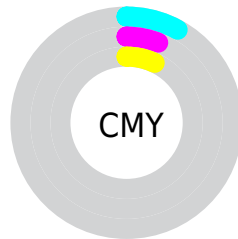
- Red (92%)
- Green (94%)
- Blue (93%)



- Red (92%)
- Yellow (93%)
- Blue (94%)



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





- Cyan (8%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5682, 0.3107, 0.3300 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 85.5682, 0.3107, 0.3300 by changing the saturation by 10% instead.


 85.5682, 0.3107,
0.3300

 85.5682, 0.3107,
0.3300

513.5063, 0.3116,
0.3296

 64.3110, 0.3105,
0.3301


141.1668, 0.3110,
0.3298

 46.9026, 0.3103,
0.3302


176.2769, 0.3111,
0.3298

 32.9587, 0.3099,
0.3304


216.7734, 0.3112,
0.3297

 22.0948, 0.3095,
0.3306

263.0408, 0.3113,
0.3297

 13.9266, 0.3090,
0.3308

315.4634, 0.3114,
0.3297

 8.0696, 0.3083,
0.3312

374.4256, 0.3115,

 4.1395, 0.3072,

0.3296

0.3317

440.3118, 0.3116,
0.3296

■ 1.7519, 0.3053,
0.3326

■ 0.4569, 0.2942,
0.3379

■ 85.5682, 0.3107,
0.3300

■ 85.5682, 0.3107,
0.3300

■ 81.4296, 0.2988,
0.3364

■ 89.5225, 0.3203,
0.3242

■ 77.8236, 0.2875,
0.3434

■ 89.8891, 0.3166,
0.3185

■ 74.7308, 0.2771,
0.3511

■ 90.2139, 0.3134,
0.3136

■ 72.1263, 0.2678,
0.3593

■ 69.9829, 0.2599,
0.3680

■ 68.2711, 0.2537,
0.3770

■ 66.9577, 0.2495,
0.3863

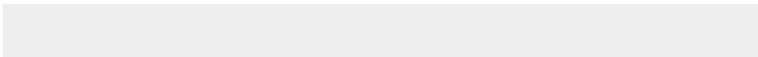
■ 66.0044, 0.2473,
0.3957

■ 65.3656, 0.2470,
0.4050

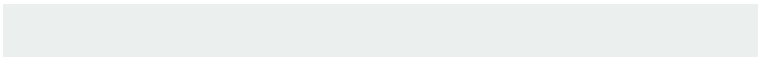
Harmonies

Analogous

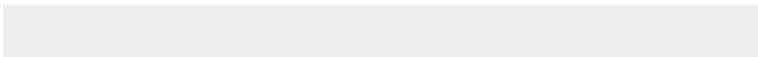
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5682, 0.3123, 0.3313



85.5682, 0.3107, 0.3300



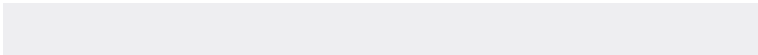
85.5682, 0.3097, 0.3285

Triad

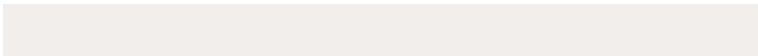
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5682, 0.3107, 0.3300



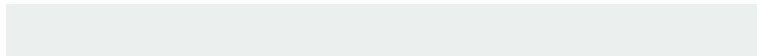
85.5682, 0.3114, 0.3261



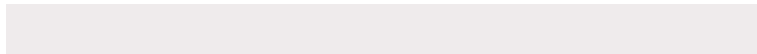
85.5682, 0.3160, 0.3309

Complementary

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



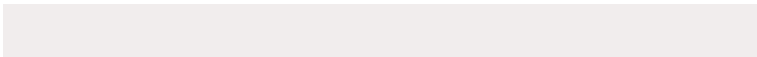
85.5682, 0.3107, 0.3300



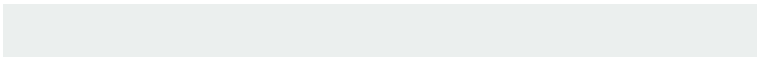
83.8312, 0.3148, 0.3280

Split Complementary

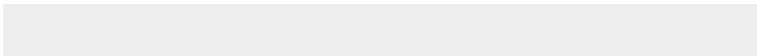
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5682, 0.3158, 0.3296



85.5682, 0.3107, 0.3300



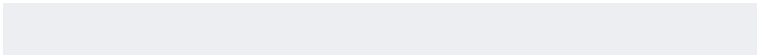
85.5682, 0.3132, 0.3268

Square

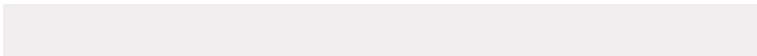
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



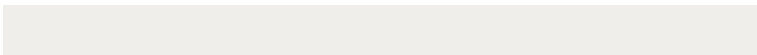
85.5682, 0.3107, 0.3300



85.5682, 0.3101, 0.3262



85.5682, 0.3148, 0.3280



85.5682, 0.3154, 0.3318

Rectangle

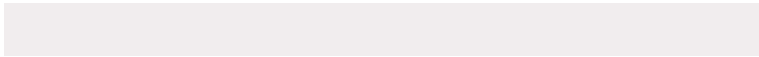
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



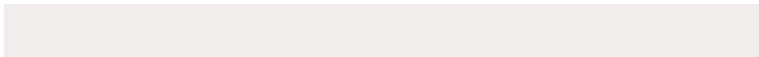
85.5682, 0.3107, 0.3300



85.5682, 0.3094, 0.3275



85.5682, 0.3148, 0.3280



85.5682, 0.3161, 0.3305

Sweetspot

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



85.5719, 0.3107, 0.3300



99.4788, 0.3115, 0.3296



85.5673, 0.3132, 0.3331



21.2981, 0.3116, 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.



85.5719, 0.3107, 0.3300



98.9642, 0.3103, 0.3302



85.0480, 0.3101, 0.3280



18.5483, 0.3104, 0.3301



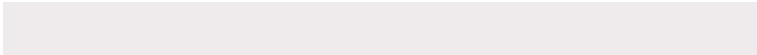
35.9491, 0.2476, 0.4112



3.0063, 0.2442, 0.3990

Inverse Universe

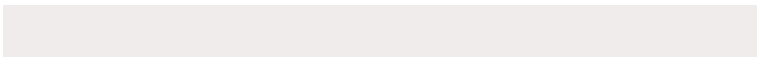
The Inverse Universe completely reimagines the original color for something new.



83.8312, 0.3148, 0.3280



96.5447, 0.3152, 0.3278



84.3465, 0.3153, 0.3300



18.1199, 0.3151, 0.3279



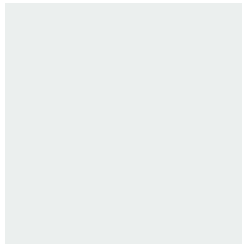
10.3354, 0.5934, 0.3042



0.8752, 0.5565, 0.2839

Previews

White Background



This preview shows how the Yxy color 85.5682, 0.3107, 0.3300 looks on a white background.

Color Contrast Check

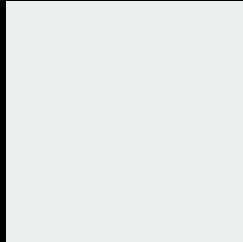
Large Text (above 18pt) WCAG AA × Fail

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 85.5682, 0.3107, 0.3300 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

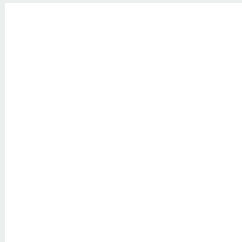
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5682, 0.3107, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 85.5682, 0.3107, 0.3300.

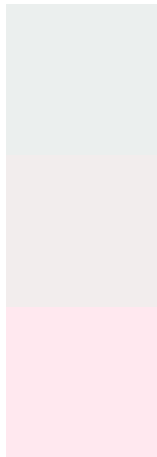


This preview shows how white text looks on a background with the Yxy color 85.5682, 0.3107, 0.3300.

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

85.5682, 0.3107, 0.3300

Protanopia

85.5600, 0.3160, 0.3290

Deuteranopia

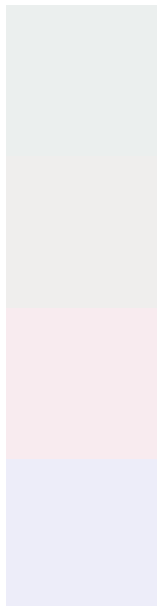
85.2052, 0.3240, 0.3222



Tritanopia

85.3880, 0.3025, 0.3101

Trichromacy



Original Color

85.5682, 0.3107, 0.3300

Protanomaly

85.6142, 0.3140, 0.3300

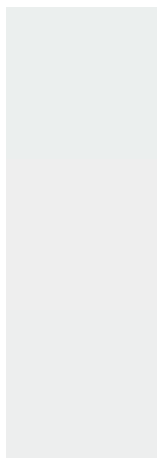
Deuteranomaly

85.6051, 0.3190, 0.3250

Tritanomaly

85.4125, 0.3054, 0.3169

Monochromacy



Original Color

85.5682, 0.3107, 0.3300

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.3266, 0.3121, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5682, 0.3107, 0.3300 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(235, 239, 238)` looks like.

```
.text, #text, p{  
    color:rgb(235, 239, 238)  
}
```

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(235, 239, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 239, 238) }
```

Border

The CSS property to change the border of an element to Yxy 85.5682, 0.3107, 0.3300 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(235, 239, 238) }
```

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

```
.border{ border-color:rgb(235, 239, 238) }
```

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

Here you see how a box with a 4 pixel rgb(235, 239, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 239, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 239, 238);  
box-shadow:4px 4px 4px 4px rgb(235, 239,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5682, 0.3107, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 239, 238) }
```

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

```
.background{ background-color: rgb(235,  
239, 238) }
```

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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