

Converting Colors

$Y_{xy}(85.2070, 0.3072, 0.3304)$

Have a look what the booklet for
Yxy(85.2070, 0.3072, 0.3304)
contains.

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Color

Yxy(85.3162, 0.3074, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	E6F0EE
RGB	230, 240, 238
RGB Percent	90%, 94%, 93%
CMY	0.0980, 0.0588, 0.0665
CMYK	0.04, 0.00, 0.01, 0.06
HSL	168°, 25%, 92%
HSV	168°, 4%, 94%
XYZ	79.2332, 85.3162, 93.2034
YIQ	236.7820, -5.3180, -2.7420

Conversions

Conversions Part 2

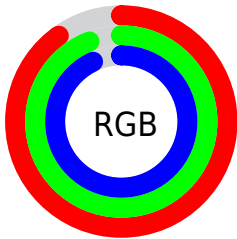
Format	Color
R _Y B	230, 236, 240
Decimal	15134958
CIE Lab	94.02, -3.65, -0.21
CIE LCh	94, 3.654, 183.291
Yxy	85.3162, 0.3074, 0.3310
Android (android.graphics.Color)	4293325038 (0xFFE6F0EE)
YUV	236.7820, 0.6005, -5.9478
Hunter-Lab	92.3668, -8.5226, 4.8297

Details

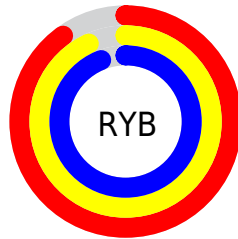
The Yxy color **85.3162, 0.3074, 0.3310** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.9540, 0.3183, 0.3270**, and the grayscale version is **84.5155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7723, 0.3067, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **81.3439, 0.2950, 0.3362**, and if you desaturate by 10%, it is **89.8498, 0.3203, 0.3263**.

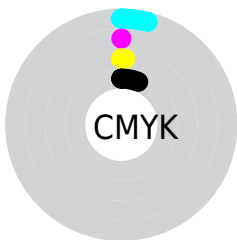
Distribution



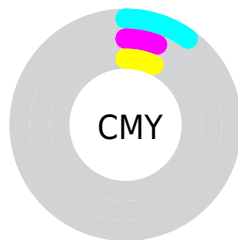
- Red (90%)
- Green (94%)
- Blue (93%)



- Red (90%)
- Yellow (93%)
- Blue (94%)



- Cyan (4%)
- Magenta (0%)
- Yellow (1%)
- Black (6%)



- Cyan (10%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.3162, 0.3074, 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 85.3162, 0.3074, 0.3310 by changing the saturation by 10% instead.

85.3162, 0.3074,
0.3310

85.3162, 0.3074,
0.3310

512.6738, 0.3098,
0.3301

64.1027, 0.3069,
0.3312

140.8149, 0.3082,
0.3307

46.7338, 0.3062,
0.3314

175.8688, 0.3085,
0.3306

32.8253, 0.3054,
0.3317

216.3050, 0.3088,
0.3305

21.9926, 0.3044,
0.3321

262.5079, 0.3091,
0.3304

13.8515, 0.3030,
0.3326

314.8618, 0.3093,
0.3303

8.0175, 0.3010,
0.3334

373.7511, 0.3095,

4.1061, 0.2981,

0.3302

0.3344

439.5603, 0.3096,
0.3302

■ 1.7331, 0.2933,
0.3362

■ 0.4450, 0.2612,
0.3482

■ 85.3162, 0.3074,
0.3310

■ 85.3162, 0.3074,
0.3310

■ 81.3439, 0.2950,
0.3362

■ 89.8498, 0.3203,
0.3263

■ 77.8996, 0.2832,
0.3418


■ 90.3246, 0.3180,
0.3218

■ 74.9633, 0.2724,
0.3479


■ 90.6211, 0.3151,
0.3172


■ 72.5094, 0.2630,
0.3545

■ 90.7989, 0.3134,
0.3146

 70.5099, 0.2551,
0.3613

 68.9343, 0.2490,
0.3684

 67.7480, 0.2448,
0.3756

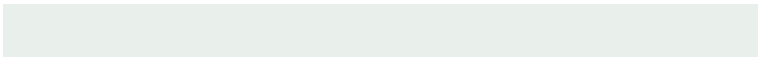
 66.9108, 0.2427,
0.3829

 66.3738, 0.2424,
0.3901

Harmonies

Analogous

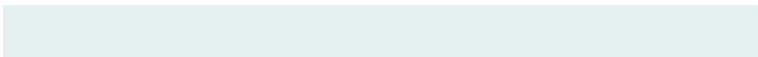
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3162, 0.3112, 0.3343



85.3162, 0.3074, 0.3310



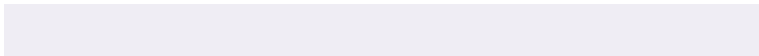
85.3162, 0.3050, 0.3272

Triad

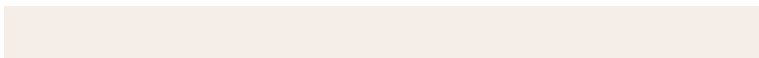
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.3162, 0.3074, 0.3310



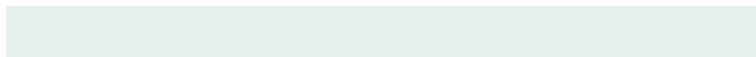
85.3162, 0.3100, 0.3221



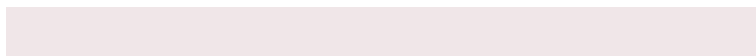
85.3162, 0.3208, 0.3340

Complementary

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



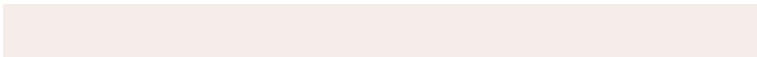
85.3162, 0.3074, 0.3310



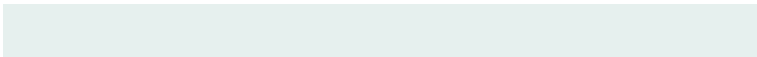
80.9540, 0.3183, 0.3270

Split Complementary

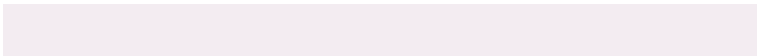
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.3162, 0.3205, 0.3307



85.3162, 0.3074, 0.3310



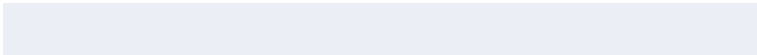
85.3162, 0.3142, 0.3239

Square

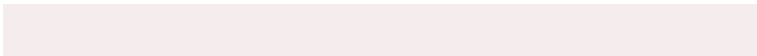
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.3162, 0.3074, 0.3310



85.3162, 0.3066, 0.3221



85.3162, 0.3181, 0.3270



85.3162, 0.3189, 0.3360

Rectangle

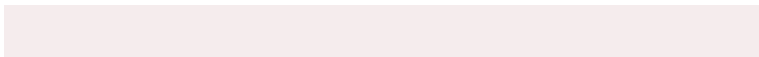
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



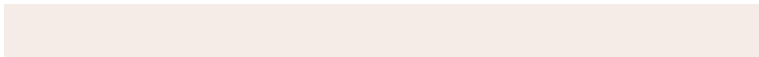
85.3162, 0.3074, 0.3310



85.3162, 0.3046, 0.3249



85.3162, 0.3181, 0.3270



85.3162, 0.3209, 0.3330

Sweetspot

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



85.3198, 0.3074, 0.3310



99.4872, 0.3114, 0.3295



85.1913, 0.3135, 0.3393



21.2998, 0.3115, 0.3295



0.0000, 0.0000, 0.0000



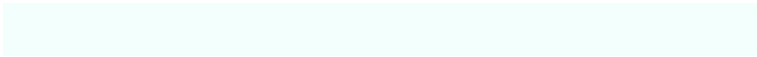
21.4041, 0.3127, 0.3290

Same Dimension

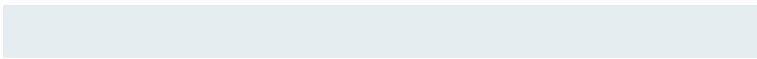
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3198, 0.3074, 0.3310



97.5007, 0.3063, 0.3314



83.6878, 0.3063, 0.3259



18.2033, 0.3055, 0.3318



36.2349, 0.2425, 0.3931



3.0279, 0.2399, 0.3836

Inverse Universe

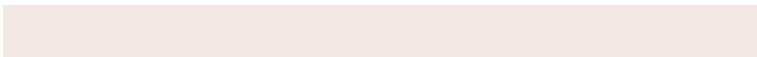
The Inverse Universe completely reimagines the original color for something new.



80.9540, 0.3183, 0.3270



91.4913, 0.3195, 0.3266



82.5238, 0.3194, 0.3321



16.9333, 0.3205, 0.3263



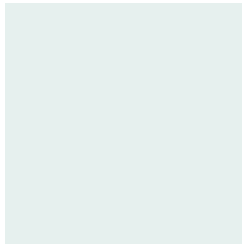
10.2695, 0.6082, 0.3124



0.8679, 0.5731, 0.2931

Previews

White Background



This preview shows how the Yxy color 85.3162, 0.3074, 0.3310 looks on a white background.

Color Contrast Check

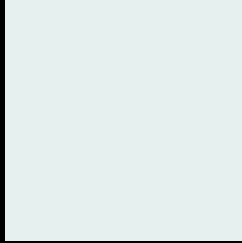
Large Text (above 18pt) WCAG AA × Fail

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 85.3162, 0.3074, 0.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

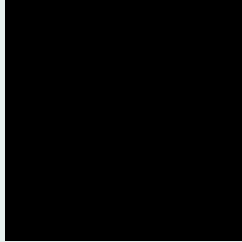
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

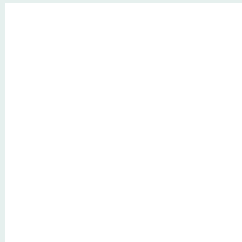
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.3162, 0.3074, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 85.3162, 0.3074, 0.3310.

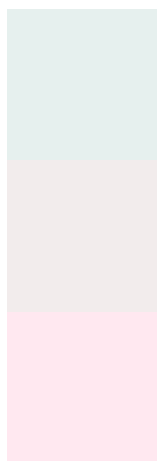


This preview shows how white text looks on a background with the Yxy color 85.3162, 0.3074, 0.3310.

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

85.3162, 0.3074, 0.3310

Protanopia

84.9243, 0.3167, 0.3290

Deuteranopia

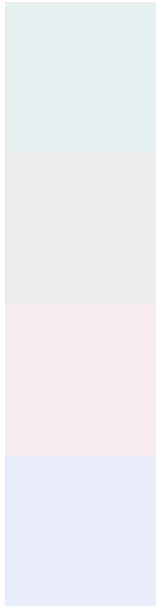
85.2645, 0.3233, 0.3212



Tritanopia

85.1120, 0.2993, 0.3109

Trichromacy



Original Color

85.3162, 0.3074, 0.3310

Protanomaly

84.8599, 0.3134, 0.3290

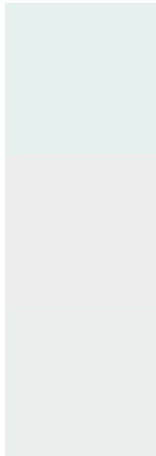
Deuteranomaly

85.2415, 0.3176, 0.3250

Tritanomaly

85.1444, 0.3022, 0.3178

Monochromacy



Original Color

85.3162, 0.3074, 0.3310

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.7559, 0.3107, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3162, 0.3074, 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(230, 240, 238)` looks like.

```
.text, #text, p{  
    color:rgb(230, 240, 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(230, 240, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 240, 238) }
```

Border

The CSS property to change the border of an element to Yxy 85.3162, 0.3074, 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(230, 240, 238) }
```

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

```
.border{ border-color:rgb(230, 240, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 240, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 240, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 240, 238);  
box-shadow:4px 4px 4px 4px rgb(230, 240,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3162, 0.3074, 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(230, 240, 238) }
```

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

```
.background{ background-color: rgb(230,  
240, 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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