

Converting Colors

Yxy(86.0236, 0.3070, 0.3320)

Have a look what the booklet for
Yxy(86.0236, 0.3070, 0.3320)
contains.

Yxy(85.9066, 0.3074, 0.3321)	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(85.9066, 0.3074, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	E6F1EE
RGB	230, 241, 238
RGB Percent	90%, 95%, 93%
CMY	0.0980, 0.0549, 0.0668
CMYK	0.05, 0.00, 0.01, 0.05
HSL	163°, 28%, 92%
HSV	163°, 5%, 95%
XYZ	79.5173, 85.9066, 93.2530
YIQ	237.3690, -5.5930, -3.2650

Conversions

Conversions Part 2

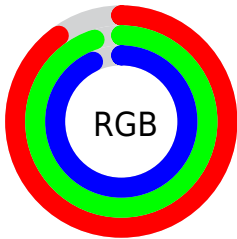
Format	Color
R _Y B	230, 236, 241
Decimal	15135214
CIE Lab	94.27, -4.18, 0.19
CIE LCh	94, 4.183, 177.354
Yxy	85.9066, 0.3074, 0.3321
Android (android.graphics.Color)	4293325294 (0xFFE6F1EE)
YUV	237.3690, 0.3111, -6.4626
Hunter-Lab	92.6858, -9.0609, 5.2272

Details

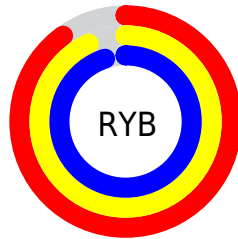
The Yxy color **85.9066, 0.3074, 0.3321** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.1833, 0.3183, 0.3259**, and the grayscale version is **84.9891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1893, 0.3067, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **81.8104, 0.2960, 0.3394**, and if you desaturate by 10%, it is **90.5759, 0.3191, 0.3255**.

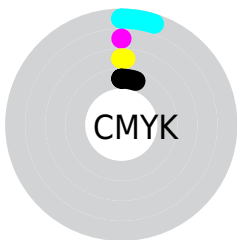
Distribution



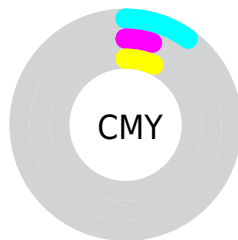
- Red (90%)
- Green (95%)
- Blue (93%)



- Red (90%)
- Yellow (93%)
- Blue (95%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)



- Cyan (10%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9066, 0.3074, 0.3321 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 85.9066, 0.3074, 0.3321 by changing the saturation by 10% instead.

85.9066, 0.3074,
0.3321

85.9066, 0.3074,
0.3321

514.6232, 0.3098,
0.3307

64.5907, 0.3069,
0.3324

141.6391, 0.3082,
0.3316

47.1293, 0.3062,
0.3328

176.8246, 0.3085,
0.3314

33.1379, 0.3054,
0.3333

217.4021, 0.3088,
0.3313

22.2321, 0.3044,
0.3339

263.7560, 0.3091,
0.3311

14.0275, 0.3030,
0.3347

316.2706, 0.3093,
0.3310

8.1398, 0.3010,
0.3358

375.3304, 0.3095,

4.1845, 0.2981,

0.3309

0.3375

441.3198, 0.3096,
0.3308

■ 1.7773, 0.2933,
0.3403

■ 0.4730, 0.2629,
0.3578

■ 85.9066, 0.3074,
0.3321

■ 85.9066, 0.3074,
0.3321

■ 81.8104, 0.2960,
0.3394

■ 90.5759, 0.3191,
0.3255

■ 78.2536, 0.2853,
0.3475

■ 91.1588, 0.3156,
0.3191

■ 75.2157, 0.2754,
0.3562

■ 91.3956, 0.3133,
0.3156

■ 72.6707, 0.2668,
0.3656

■ 70.5903, 0.2596,
0.3755

■ 68.9432, 0.2542,
0.3858

■ 67.6941, 0.2508,
0.3963

■ 66.8022, 0.2494,
0.4068

■ 66.2174, 0.2499,
0.4172

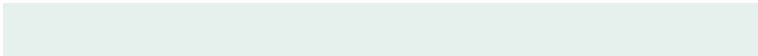
Harmonies

Analogous

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



85.9066, 0.3119, 0.3356



85.9066, 0.3074, 0.3321



85.9066, 0.3043, 0.3278

Triad

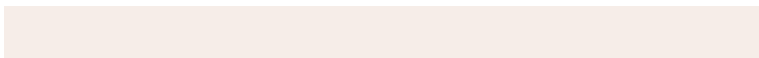
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.9066, 0.3074, 0.3321



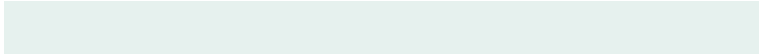
85.9066, 0.3087, 0.3209



85.9066, 0.3221, 0.3341

Complementary

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



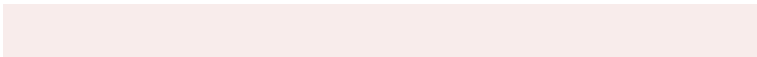
85.9066, 0.3074, 0.3321



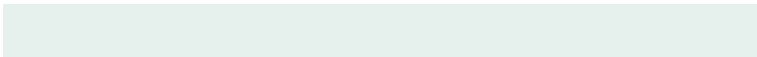
81.1833, 0.3183, 0.3259

Split Complementary

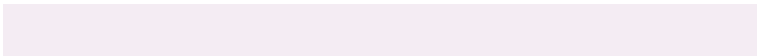
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9066, 0.3212, 0.3301



85.9066, 0.3074, 0.3321



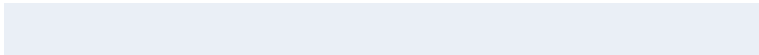
85.9066, 0.3135, 0.3226

Square

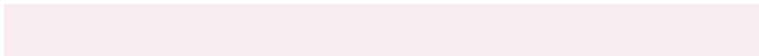
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



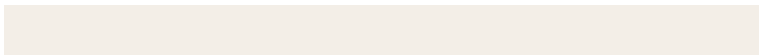
85.9066, 0.3074, 0.3321



85.9066, 0.3051, 0.3214



85.9066, 0.3181, 0.3260



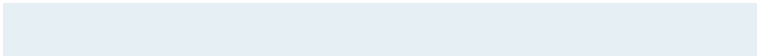
85.9066, 0.3204, 0.3367

Rectangle

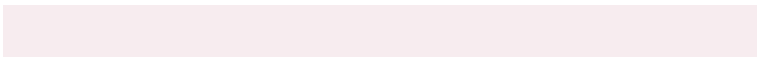
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



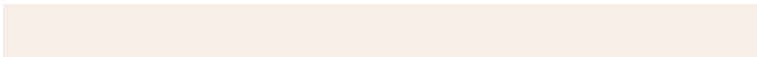
85.9066, 0.3074, 0.3321



85.9066, 0.3035, 0.3251



85.9066, 0.3181, 0.3260



85.9066, 0.3221, 0.3328

Sweetspot

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



85.9103, 0.3074, 0.3321



99.4743, 0.3115, 0.3297



85.9730, 0.3142, 0.3403



21.2971, 0.3116, 0.3296



0.0000, 0.0000, 0.0000



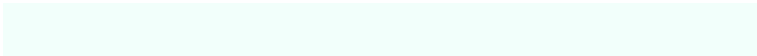
21.4041, 0.3127, 0.3290

Same Dimension

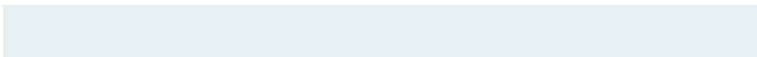
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9103, 0.3074, 0.3321



97.4367, 0.3069, 0.3324



84.6879, 0.3056, 0.3265



18.1898, 0.3061, 0.3329



35.8047, 0.2503, 0.4211



2.9953, 0.2465, 0.4075

Inverse Universe

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



81.1833, 0.3183, 0.3259



91.5531, 0.3189, 0.3256



82.3473, 0.3201, 0.3315



16.9463, 0.3198, 0.3252



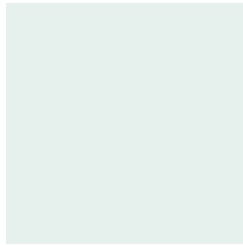
10.3777, 0.5843, 0.2993



0.8796, 0.5471, 0.2787

Previews

White Background



This preview shows how the Yxy color 85.9066, 0.3074, 0.3321 looks on a white background.

Color Contrast Check

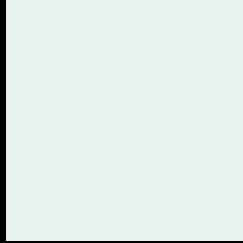
Large Text (above 18pt) WCAG AA × Fail

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 85.9066, 0.3074, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

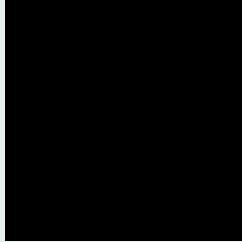
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

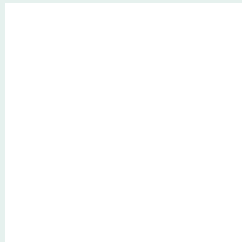
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.9066, 0.3074, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 85.9066, 0.3074, 0.3321.



This preview shows how white text looks on a background with the Yxy color 85.9066, 0.3074, 0.3321.

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

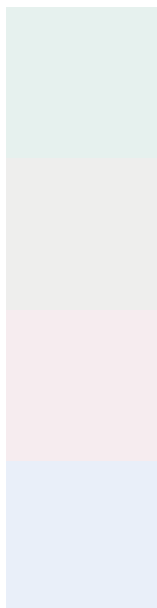




Tritanopia

85.8615, 0.2999, 0.3119

Trichromacy



Original Color

85.9066, 0.3074, 0.3321

Protanomaly

85.4406, 0.3133, 0.3300

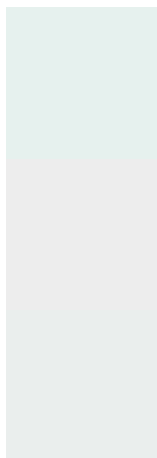
Deuteranomaly

85.8157, 0.3175, 0.3260

Tritanomaly

85.8962, 0.3028, 0.3189

Monochromacy



Original Color

85.9066, 0.3074, 0.3321

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 85.9066, 0.3074, 0.3321 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, 241, 238)` looks like.

```
.text, #text, p{  
    color:rgb(230, 241, 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, 241, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 241, 238) }
```

Border

The CSS property to change the border of an element to Yxy 85.9066, 0.3074, 0.3321 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, 241, 238) }
```

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

```
.border{ border-color:rgb(230, 241, 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, 241, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 241, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 241, 238);  
box-shadow:4px 4px 4px 4px rgb(230, 241,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9066, 0.3074, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 241, 238) }
```

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

```
.background{ background-color: rgb(230,  
241, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor