

Converting Colors

Yxy(83.8356, 0.3042, 0.3253)

Have a look what the booklet for
Yxy(83.8356, 0.3042, 0.3253)
contains.

Yxy(83.9939, 0.3044, 0.3259)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.9939, 0.3044, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	E4EEF1
RGB	228, 238, 241
RGB Percent	89%, 93%, 95%
CMY	0.1057, 0.0667, 0.0550
CMYK	0.05, 0.01, 0.00, 0.05
HSL	194°, 32%, 92%
HSV	194°, 5%, 95%
XYZ	78.4527, 83.9939, 95.2824
YIQ	235.3520, -6.9230, -1.1870

Conversions

Conversions Part 2

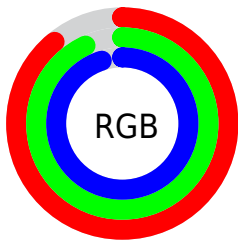
Format	Color
R _Y B	228, 234, 241
Decimal	15003377
CIE Lab	93.45, -2.74, -2.60
CIE LCh	93, 3.772, 223.502
Yxy	83.9939, 0.3044, 0.3259
Android (android.graphics.Color)	4293193457 (0xFFE4EEF1)
YUV	235.3520, 2.7845, -6.4477
Hunter-Lab	91.6482, -7.5847, 2.5126

Details

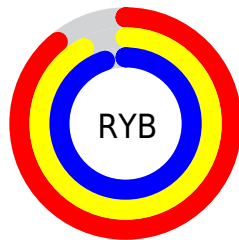
The Yxy color **83.9939, 0.3044, 0.3259** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.4661, 0.3215, 0.3321**, and the grayscale version is **83.3477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8429, 0.3028, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **77.1393, 0.2890, 0.3197**, and if you desaturate by 10%, it is **91.5049, 0.3199, 0.3315**.

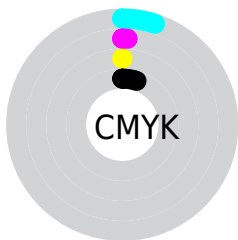
Distribution



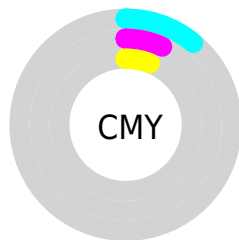
- Red (89%)
- Green (93%)
- Blue (95%)



- Red (89%)
- Yellow (92%)
- Blue (95%)



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



- Cyan (11%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9939, 0.3044, 0.3259 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 83.9939, 0.3044, 0.3259 by changing the saturation by 10% instead.

83.9939, 0.3044,
0.3259

83.9939, 0.3044,
0.3259

508.2930, 0.3081,
0.3273

63.0104, 0.3036,
0.3256

138.9666, 0.3057,
0.3264

45.8496, 0.3025,
0.3252

173.7247, 0.3062,
0.3266

32.1272, 0.3013,
0.3247

213.8430, 0.3066,
0.3267

21.4587, 0.2996,
0.3241

259.7060, 0.3070,
0.3269

13.4597, 0.2975,
0.3232

311.6982, 0.3073,
0.3270

7.7458, 0.2944,
0.3220

370.2038, 0.3076,

3.9327, 0.2898,

0.3271

435.6072, 0.3079,
0.3272

0.3201

1.6360, 0.2822,
0.3170

0.3817, 0.2322,
0.2994

83.9939, 0.3044,
0.3259

83.9939, 0.3044,
0.3259

77.1393, 0.2890,
0.3197

91.5049, 0.3199,
0.3315

70.9070, 0.2740,
0.3129

95.4317, 0.3213,
0.3369

65.2755, 0.2597,
0.3055

98.9210, 0.3209,
0.3422

60.2177, 0.2464,
0.2977

99.1299, 0.3209,
0.3425

■ 55.7045, 0.2344,
0.2895

■ 51.7035, 0.2241,
0.2811

■ 48.1784, 0.2157,
0.2725

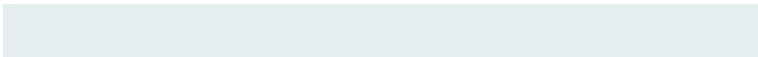
■ 45.0868, 0.2093,
0.2639

■ 42.3769, 0.2048,
0.2553

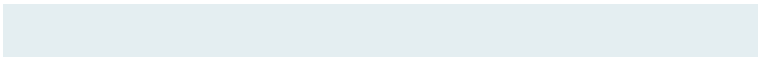
Harmonies

Analogous

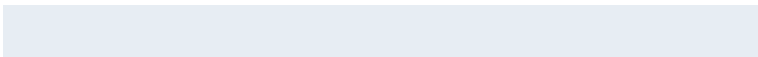
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9939, 0.3062, 0.3297



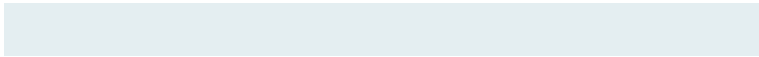
83.9939, 0.3044, 0.3259



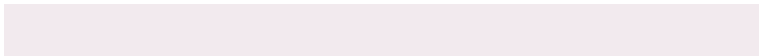
83.9939, 0.3048, 0.3229

Triad

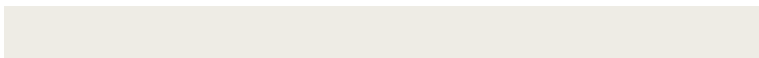
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9939, 0.3044, 0.3259



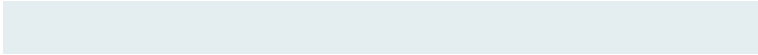
83.9939, 0.3157, 0.3247



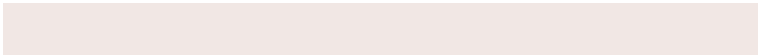
83.9939, 0.3181, 0.3365

Complementary

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



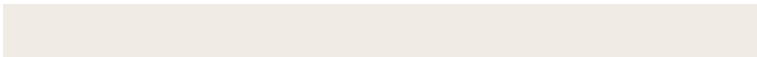
83.9939, 0.3044, 0.3259



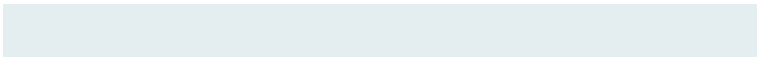
81.4661, 0.3215, 0.3321

Split Complementary

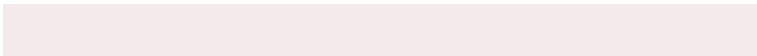
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.9939, 0.3207, 0.3351



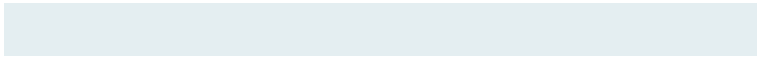
83.9939, 0.3044, 0.3259



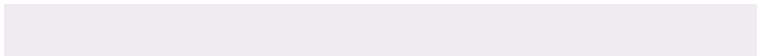
83.9939, 0.3193, 0.3282

Square

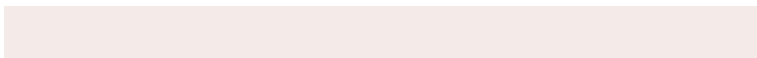
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9939, 0.3044, 0.3259



83.9939, 0.3114, 0.3223



83.9939, 0.3211, 0.3320



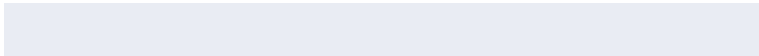
83.9939, 0.3140, 0.3359

Rectangle

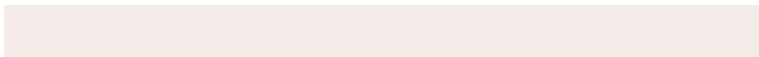
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



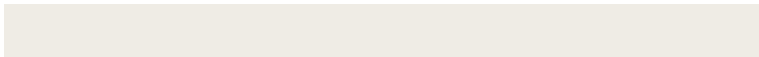
83.9939, 0.3044, 0.3259



83.9939, 0.3063, 0.3218



83.9939, 0.3211, 0.3320



83.9939, 0.3191, 0.3362

Sweetspot

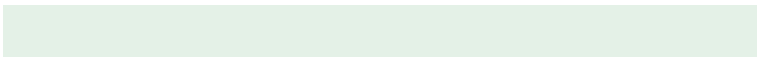
The Sweet Spot groups the original color and five complimentary colors.



83.9975, 0.3044, 0.3259



98.2973, 0.3096, 0.3279



85.1615, 0.3104, 0.3395



21.0576, 0.3098, 0.3279



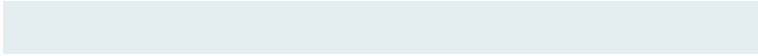
0.0000, 0.0000, 0.0000



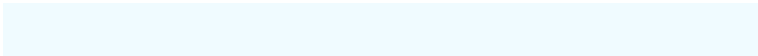
21.4041, 0.3127, 0.3290

Same Dimension

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



83.9975, 0.3044, 0.3259



94.9818, 0.3034, 0.3255



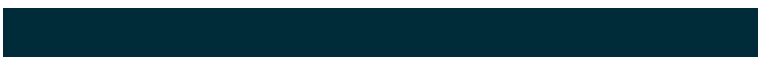
80.3973, 0.3045, 0.3194



17.6987, 0.3025, 0.3252



22.5683, 0.2036, 0.2528



2.0260, 0.2067, 0.2640

Inverse Universe

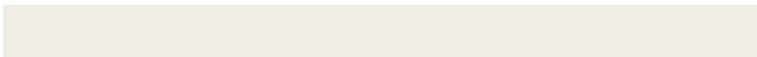
The Inverse Universe completely reimagines the original color for something new.



80.3779, 0.3152, 0.3189



90.3985, 0.3156, 0.3177



85.0525, 0.3210, 0.3385



16.7580, 0.3159, 0.3165



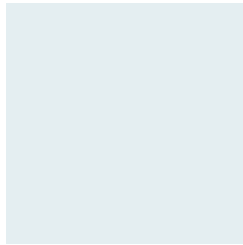
12.0716, 0.3894, 0.1919



1.0192, 0.3785, 0.1859

Previews

White Background



This preview shows how the Yxy color 83.9939, 0.3044, 0.3259 looks on a white background.

Color Contrast Check

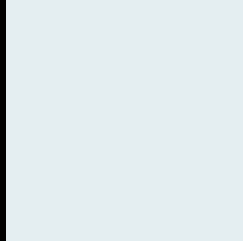
Large Text (above 18pt) WCAG AA × Fail

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 83.9939, 0.3044, 0.3259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

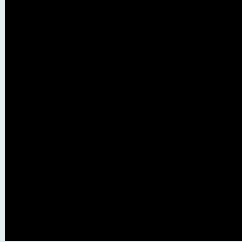
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

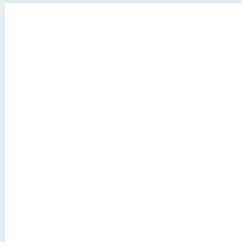
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9939, 0.3044, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 83.9939, 0.3044, 0.3259.

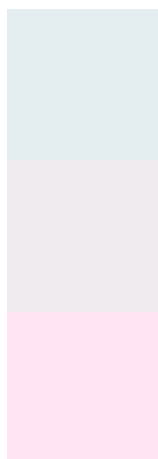


This preview shows how white text looks on a background with the Yxy color 83.9939, 0.3044, 0.3259.

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

83.9939, 0.3044, 0.3259

Protanopia

83.9994, 0.3129, 0.3250

Deuteranopia

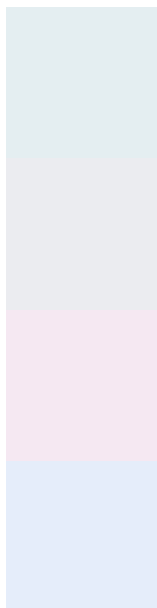
83.7697, 0.3216, 0.3153



Tritanopia

84.0339, 0.2974, 0.3098

Trichromacy



Original Color

83.9939, 0.3044, 0.3259

Protanomaly

83.9443, 0.3096, 0.3249

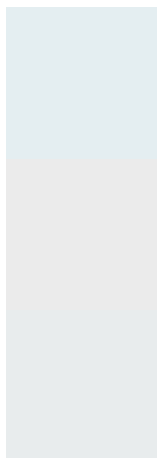
Deuteranomaly

83.5365, 0.3152, 0.3190

Tritanomaly

84.1285, 0.2997, 0.3157

Monochromacy



Original Color

83.9939, 0.3044, 0.3259

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.2611, 0.3094, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9939, 0.3044, 0.3259 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(228, 238, 241)` looks like.

```
.text, #text, p{  
    color:rgb(228, 238, 241)  
}
```

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(228, 238, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 238, 241) }
```

Border

The CSS property to change the border of an element to Yxy 83.9939, 0.3044, 0.3259 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(228, 238, 241) }
```

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

```
.border{ border-color:rgb(228, 238, 241) }
```

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

Here you see how a box with a 4 pixel rgb(228, 238, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 238, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 238, 241);  
box-shadow:4px 4px 4px 4px rgb(228, 238,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9939, 0.3044, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 238, 241) }
```

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

```
.background{ background-color: rgb(228,  
238, 241) }
```

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