

Converting Colors

Yxy(83.4369, 0.3007, 0.3159)

Have a look what the booklet for
Yxy(83.4369, 0.3007, 0.3159)
contains.

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Color

Yxy(83.4885, 0.3003, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	E5ECF9
RGB	229, 236, 249
RGB Percent	90%, 93%, 98%
CMY	0.1018, 0.0745, 0.0235
CMYK	0.08, 0.05, 0.00, 0.02
HSL	219°, 62%, 94%
HSV	219°, 8%, 98%
XYZ	79.4159, 83.4885, 101.5508
YIQ	235.3890, -8.3450, 2.5590

Conversions

Conversions Part 2

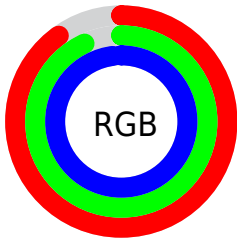
Format	Color
R _Y B	229, 234, 249
Decimal	15068409
CIE Lab	93.23, 0.12, -7.08
CIE LCh	93, 7.083, 271.001
Yxy	83.4885, 0.3003, 0.3157
Android (android.graphics.Color)	4293258489 (0xFFE5ECF9)
YUV	235.3890, 6.7102, -5.6032
Hunter-Lab	91.3720, -4.7580, -1.9344

Details

The Yxy color **83.4885, 0.3003, 0.3157** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.3292, 0.3253, 0.3420**, and the grayscale version is **83.3484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4914, 0.2976, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **70.7638, 0.2839, 0.2973**, and if you desaturate by 10%, it is **97.6562, 0.3157, 0.3321**.

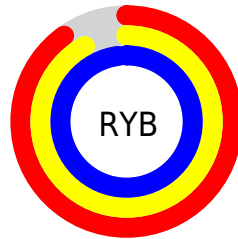
Distribution



Red (90%)

Green (93%)

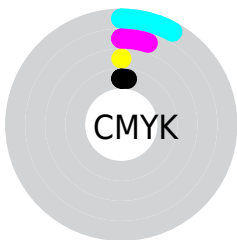
Blue (98%)



Red (90%)

Yellow (92%)

Blue (98%)

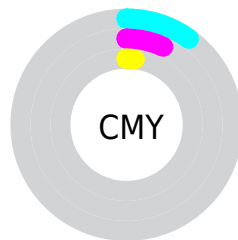


Cyan (8%)

Magenta (5%)

Yellow (0%)

Black (2%)



Cyan (10%)

Magenta (7%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4885, 0.3003, 0.3157 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 83.4885, 0.3003, 0.3157 by changing the saturation by 10% instead.

83.4885, 0.3003,
0.3157

83.4885, 0.3003,
0.3157

506.6131, 0.3059,
0.3217

62.5932, 0.2991,
0.3144

138.2594, 0.3022,
0.3178

45.5122, 0.2975,
0.3127

172.9039, 0.3030,
0.3186

31.8611, 0.2956,
0.3107

212.9002, 0.3036,
0.3193

21.2554, 0.2932,
0.3081

258.6327, 0.3042,
0.3199

13.3108, 0.2899,
0.3046

310.4859, 0.3047,
0.3204

7.6429, 0.2853,
0.2997

368.8441, 0.3051,

3.8673, 0.2785,

0.3209

0.2924

434.0917, 0.3055,
0.3213

■ 1.5996, 0.2671,
0.2802

■ 0.3573, 0.2163,
0.2256

■ 83.4885, 0.3003,
0.3157

■ 83.4885, 0.3003,
0.3157

■ 70.7638, 0.2839,
0.2973

■ 97.6562, 0.3157,
0.3321

■ 59.4242, 0.2665,
0.2767

■ 99.6196, 0.3162,
0.3347

■ 49.4230, 0.2487,
0.2543

■ 40.7071, 0.2307,
0.2302

■ 33.2191, 0.2134,
0.2051

■ 26.8968, 0.1974,
0.1797

■ 21.6717, 0.1836,
0.1550

■ 17.4661, 0.1727,
0.1323

■ 14.1830, 0.1649,
0.1123

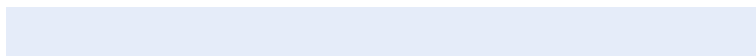
Harmonies

Analogous

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



83.4885, 0.2971, 0.3195



83.4885, 0.3003, 0.3157



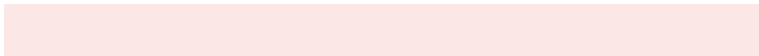
83.4885, 0.3068, 0.3154

Triad

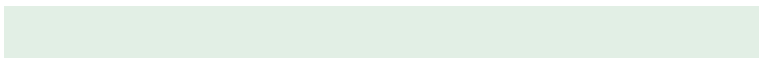
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4885, 0.3003, 0.3157



83.4885, 0.3277, 0.3317



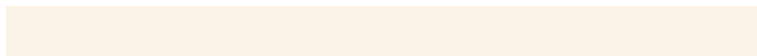
83.4885, 0.3103, 0.3397

Complementary

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



83.4885, 0.3003, 0.3157



89.3292, 0.3253, 0.3420

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.



83.4885, 0.3185, 0.3430



83.4885, 0.3003, 0.3157



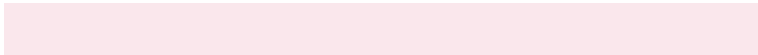
83.4885, 0.3286, 0.3383

Square

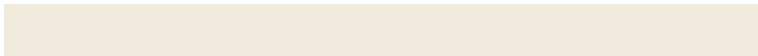
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4885, 0.3003, 0.3157



83.4885, 0.3227, 0.3246



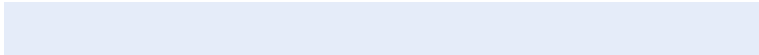
83.4885, 0.3252, 0.3424



83.4885, 0.3028, 0.3334

Rectangle

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



83.4885, 0.3003, 0.3157



83.4885, 0.3122, 0.3172



83.4885, 0.3252, 0.3424



83.4885, 0.3131, 0.3412

Sweetspot

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



83.4920, 0.3003, 0.3157



96.9439, 0.3097, 0.3258



90.8275, 0.3043, 0.3361



20.7821, 0.3098, 0.3260



0.0000, 0.0000, 0.0000



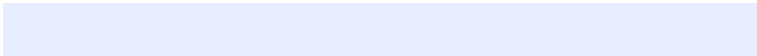
21.4041, 0.3127, 0.3290

Same Dimension

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



83.4920, 0.3003, 0.3157



85.3350, 0.2971, 0.3122



80.0606, 0.3023, 0.3086



17.6323, 0.2979, 0.3131



7.5299, 0.1644, 0.1116



0.8876, 0.1709, 0.1352

Inverse Universe

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



82.2555, 0.3220, 0.3221



83.7715, 0.3246, 0.3203



93.0048, 0.3227, 0.3488



17.3251, 0.3239, 0.3208



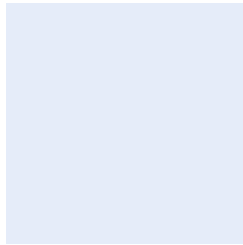
11.1710, 0.5587, 0.2851



1.0538, 0.5256, 0.2669

Previews

White Background



This preview shows how the Yxy color 83.4885, 0.3003, 0.3157 looks on a white background.

Color Contrast Check

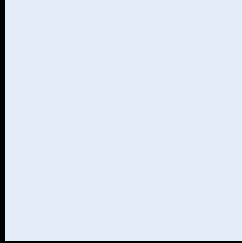
Large Text (above 18pt) WCAG AA × Fail

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 83.4885, 0.3003, 0.3157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

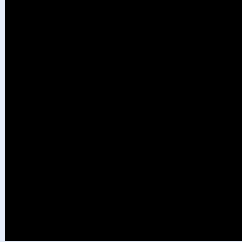
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

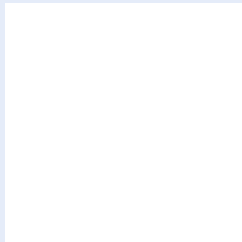
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4885, 0.3003, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 83.4885, 0.3003, 0.3157.

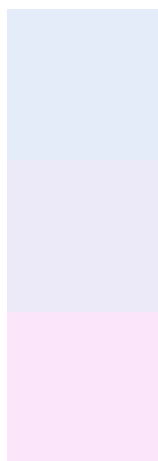


This preview shows how white text looks on a background with the Yxy color 83.4885, 0.3003, 0.3157.

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

83.4885, 0.3003, 0.3157

Protanopia

83.4558, 0.3054, 0.3149

Deuteranopia

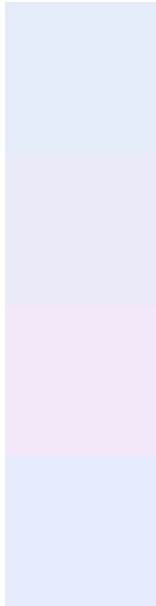
83.4500, 0.3144, 0.3084



Tritanopia

83.3954, 0.2980, 0.3097

Trichromacy



Original Color

83.4885, 0.3003, 0.3157

Protanomaly

83.5176, 0.3035, 0.3158

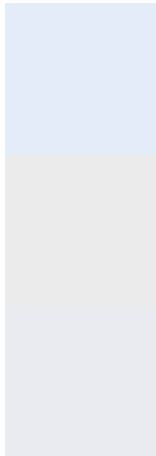
Deuteranomaly

83.6700, 0.3089, 0.3111

Tritanomaly

83.2679, 0.2991, 0.3117

Monochromacy



Original Color

83.4885, 0.3003, 0.3157

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.0316, 0.3083, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4885, 0.3003, 0.3157 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(229, 236, 249)` looks like.

```
.text, #text, p{  
    color:rgb(229, 236, 249)  
}
```

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(229, 236, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 236, 249) }
```

Border

The CSS property to change the border of an element to Yxy 83.4885, 0.3003, 0.3157 is called "border". The border property can be set on classes, ids or directly on the HTML element.

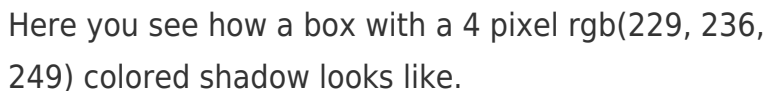
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(229, 236, 249) }
```

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

```
.border{ border-color:rgb(229, 236, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(229, 236, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 236, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 236, 249); box-shadow:4px 4px 4px 4px rgb(229, 236, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4885, 0.3003, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 236, 249) }
```

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

```
.background{ background-color: rgb(229,  
236, 249) }
```

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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