

Converting Colors

Yxy(83.6012, 0.3043, 0.3062)

Have a look what the booklet for
Yxy(83.6012, 0.3043, 0.3062)
contains.

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Color

Yxy(83.6340, 0.3045, 0.3061)

Conversions

Conversions Part 1

Format	Color
Hex	F1E8FF
RGB	241, 232, 255
RGB Percent	95%, 91%, 100%
CMY	0.0547, 0.0902, 0.0000
CMYK	0.05, 0.09, 0.00, 0.00
HSL	264°, 100%, 95%
HSV	264°, 9%, 100%
XYZ	83.1968, 83.6340, 106.3936
YIQ	237.3130, -2.0190, 9.0610

Conversions

Conversions Part 2

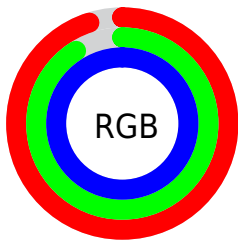
Format	Color
R _Y B	241, 232, 255
Decimal	15853823
CIE Lab	93.29, 7.21, -10.03
CIE LCh	93, 12.352, 305.702
Yxy	83.6340, 0.3045, 0.3061
Android (android.graphics.Color)	4294043903 (0xFFFF1E8FF)
YUV	237.3130, 8.7197, 3.2335
Hunter-Lab	91.4516, 2.3475, -4.9611

Details

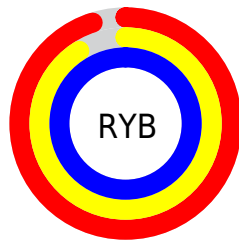
The Yxy color **83.6340, 0.3045, 0.3061** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **96.9287, 0.3204, 0.3517**, and the grayscale version is **84.8788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4422, 0.3029, 0.3010** is the 20% darker color. If you saturate the color by 10%, you get **67.6987, 0.2940, 0.2785**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

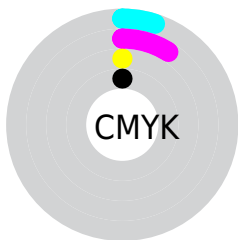
Distribution



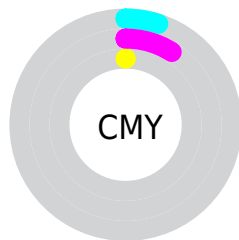
- Red (95%)
- Green (91%)
- Blue (100%)



- Red (95%)
- Yellow (91%)
- Blue (100%)



- Cyan (5%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6340, 0.3045, 0.3061 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 83.6340, 0.3045, 0.3061 by changing the saturation by 10% instead.

 83.6340, 0.3045,
0.3061

 83.6340, 0.3045,
0.3061

507.0971, 0.3083,
0.3163

 62.7133, 0.3037,
0.3039


138.4631, 0.3058,
0.3096

 45.6093, 0.3026,
0.3011


173.1403, 0.3063,
0.3109

 31.9376, 0.3013,
0.2978


213.1717, 0.3067,
0.3121

 21.3139, 0.2996,
0.2935

258.9418, 0.3071,
0.3132

 13.3536, 0.2973,
0.2878

310.8351, 0.3075,
0.3141

 7.6725, 0.2941,
0.2799

369.2357, 0.3078,

 3.8861, 0.2892,

0.3149

0.2685

434.5283, 0.3080,
0.3156

■ 1.6101, 0.2808,
0.2501

■ 0.3644, 0.2623,
0.1830

■ 83.6340, 0.3045,
0.3061

■ 83.6340, 0.3045,
0.3061

■ 67.6987, 0.2940,
0.2785

100.0000, 0.3127,
0.3290

■ 53.9809, 0.2820,
0.2488

■ 42.3803, 0.2685,
0.2177

■ 32.7869, 0.2537,
0.1863

■ 25.0809, 0.2382,
0.1560

■ 19.1288, 0.2225,
0.1286

■ 14.7792, 0.2075,
0.1058

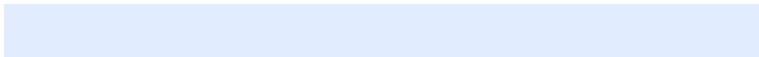
■ 11.8532, 0.1940,
0.0890

■ 10.0895, 0.1825,
0.0782

Harmonies

Analogous

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



83.6340, 0.2926, 0.3054



83.6340, 0.3045, 0.3061



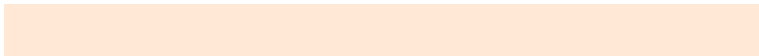
83.6340, 0.3189, 0.3125

Triad

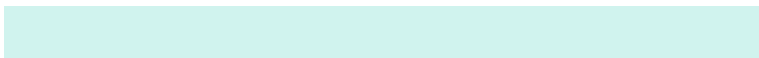
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6340, 0.3045, 0.3061



83.6340, 0.3400, 0.3464



83.6340, 0.2938, 0.3346

Complementary

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



83.6340, 0.3045, 0.3061



96.9287, 0.3204, 0.3517

Split Complementary

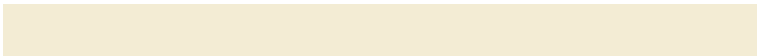
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6340, 0.3062, 0.3464



83.6340, 0.3045, 0.3061



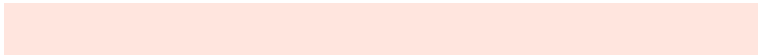
83.6340, 0.3330, 0.3531

Square

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



83.6340, 0.3045, 0.3061



83.6340, 0.3396, 0.3354



83.6340, 0.3205, 0.3532



83.6340, 0.2865, 0.3216

Rectangle

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



83.6340, 0.3045, 0.3061



83.6340, 0.3279, 0.3193



83.6340, 0.3205, 0.3532



83.6340, 0.2975, 0.3389

Sweetspot

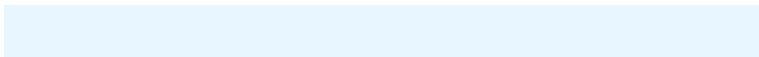
The Sweet Spot groups the original color and five complimentary colors.



83.6353, 0.3045, 0.3061



94.3464, 0.3101, 0.3216



90.3945, 0.2987, 0.3202



19.8783, 0.3094, 0.3196



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.



83.6353, 0.3045, 0.3061



80.3056, 0.3026, 0.3009



85.6814, 0.3120, 0.3067



17.7263, 0.3041, 0.3049



5.2785, 0.1832, 0.0783



0.5751, 0.1957, 0.0852

Inverse Universe

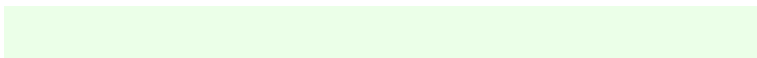
The Inverse Universe completely reimagines the original color for something new.



85.6176, 0.3195, 0.3154



82.7003, 0.3211, 0.3124



94.9522, 0.3133, 0.3521



18.1722, 0.3199, 0.3147



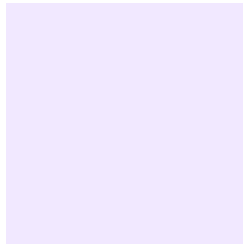
12.3698, 0.4517, 0.2262



1.2259, 0.4327, 0.2157

Previews

White Background



This preview shows how the Yxy color 83.6340, 0.3045, 0.3061 looks on a white background.

Color Contrast Check

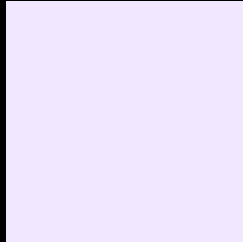
Large Text (above 18pt) WCAG AA × Fail

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 83.6340, 0.3045, 0.3061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

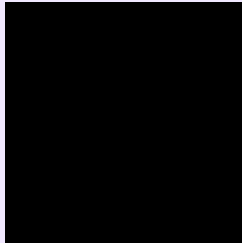
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

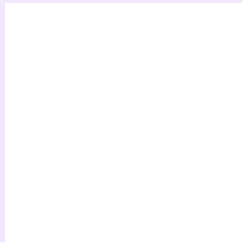
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6340, 0.3045, 0.3061

Background



This preview shows how black text looks on a background with the Yxy color 83.6340, 0.3045, 0.3061.

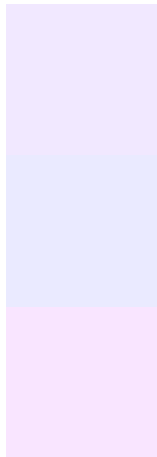


This preview shows how white text looks on a background with the Yxy color 83.6340, 0.3045, 0.3061.

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

83.6340, 0.3045, 0.3061

Protanopia

83.5581, 0.2999, 0.3079

Deuteranopia

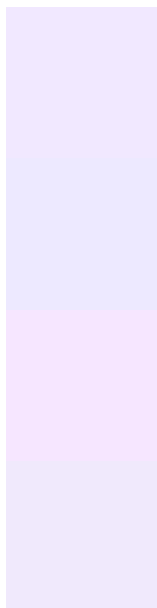
83.3984, 0.3099, 0.3035



Tritanopia

83.7681, 0.3063, 0.3110

Trichromacy



Original Color

83.6340, 0.3045, 0.3061

Protanomaly

83.5024, 0.3019, 0.3070

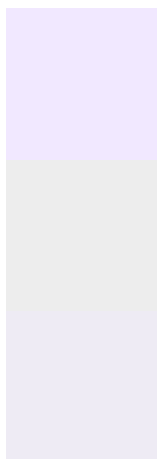
Deuteranomaly

83.4065, 0.3078, 0.3044

Tritanomaly

83.8314, 0.3056, 0.3100

Monochromacy



Original Color

83.6340, 0.3045, 0.3061

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.1255, 0.3092, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6340, 0.3045, 0.3061 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(241, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 232, 255)  
}
```

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(241, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.6340, 0.3045, 0.3061 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(241, 232, 255) }
```

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

```
.border{ border-color:rgb(241, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6340, 0.3045, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 232, 255) }
```

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

```
.background{ background-color: rgb(241,  
232, 255) }
```

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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