

Converting Colors

$Y_{xy}(83.5851, 0.3056, 0.3110)$

Have a look what the booklet for
Yxy(83.5851, 0.3056, 0.3110)
contains.

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Color

Yxy(83.5936, 0.3056, 0.3110)

Conversions

Conversions Part 1

Format	Color
Hex	EFE9FB
RGB	239, 233, 251
RGB Percent	94%, 91%, 98%
CMY	0.0628, 0.0862, 0.0158
CMYK	0.05, 0.07, 0.00, 0.02
HSL	260°, 69%, 95%
HSV	260°, 7%, 98%
XYZ	82.1421, 83.5936, 103.0540
YIQ	236.8460, -2.2020, 6.8700

Conversions

Conversions Part 2

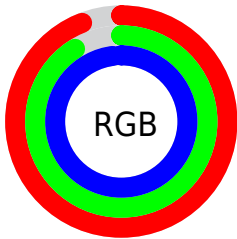
Format	Color
R _Y B	239, 233, 251
Decimal	15723003
CIE Lab	93.27, 5.25, -7.96
CIE LCh	93, 9.540, 303.422
Yxy	83.5936, 0.3056, 0.3110
Android (android.graphics.Color)	4293913083 (0xFFEFE9FB)
YUV	236.8460, 6.9779, 1.8891
Hunter-Lab	91.4295, 0.3663, -2.8275

Details

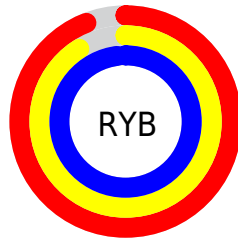
The Yxy color $83.5936, 0.3056, 0.3110$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $94.2779, 0.3195, 0.3468$, and the grayscale version is $84.5105, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $45.4066, 0.3043, 0.3072$ is the 20% darker color. If you saturate the color by 10%, you get $67.6013, 0.2943, 0.2836$, and if you desaturate by 10%, it is $99.7437, 0.3150, 0.3328$.

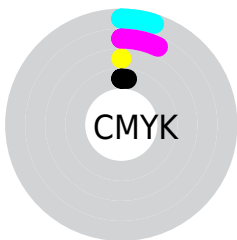
Distribution



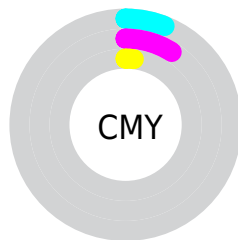
- Red (94%)
- Green (91%)
- Blue (98%)



- Red (94%)
- Yellow (91%)
- Blue (98%)



- Cyan (5%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)




- Cyan (6%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5936, 0.3056, 0.3110 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 83.5936, 0.3056, 0.3110 by changing the saturation by 10% instead.


 83.5936, 0.3056,
0.3110

 83.5936, 0.3056,
0.3110


506.9627, 0.3088,
0.3190

 62.6800, 0.3049,
0.3092

138.4065, 0.3067,
0.3137

 45.5823, 0.3040,
0.3071


173.0746, 0.3072,
0.3148

 31.9164, 0.3029,
0.3044


213.0963, 0.3075,
0.3158

 21.2976, 0.3014,
0.3009

258.8560, 0.3079,
0.3166

 13.3417, 0.2994,
0.2964

310.7381, 0.3082,
0.3173

 7.6643, 0.2967,
0.2901

369.1270, 0.3084,

 3.8809, 0.2925,

0.3179

0.2808

434.4071, 0.3086,
0.3185

■ 1.6072, 0.2854,
0.2657

■ 0.3624, 0.2646,
0.2029

■ 83.5936, 0.3056,
0.3110

■ 83.5936, 0.3056,
0.3110

■ 67.6013, 0.2943,
0.2836

99.7437, 0.3150,
0.3328

■ 53.8043, 0.2813,
0.2539

■ 42.1076, 0.2668,
0.2224

■ 32.4053, 0.2509,
0.1902

■ 24.5816, 0.2342,
0.1586

■ 18.5086, 0.2174,
0.1297

■ 14.0419, 0.2014,
0.1052

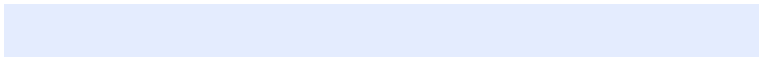
■ 11.0126, 0.1872,
0.0868

■ 9.2057, 0.1756,
0.0751

Harmonies

Analogous

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



83.5936, 0.2966, 0.3109



83.5936, 0.3056, 0.3110



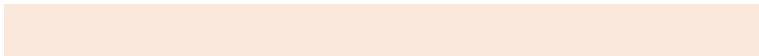
83.5936, 0.3167, 0.3157

Triad

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



83.5936, 0.3056, 0.3110



83.5936, 0.3340, 0.3420



83.5936, 0.2987, 0.3341

Complementary

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



83.5936, 0.3056, 0.3110



94.2779, 0.3195, 0.3468

Split Complementary

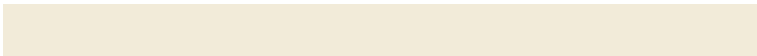
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5936, 0.3085, 0.3429



83.5936, 0.3056, 0.3110



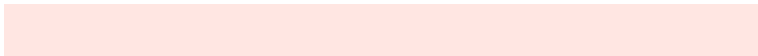
83.5936, 0.3289, 0.3473

Square

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



83.5936, 0.3056, 0.3110



83.5936, 0.3332, 0.3334



83.5936, 0.3196, 0.3478



83.5936, 0.2927, 0.3241

Rectangle

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



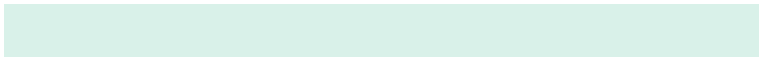
83.5936, 0.3056, 0.3110



83.5936, 0.3237, 0.3208



83.5936, 0.3196, 0.3478



83.5936, 0.3017, 0.3374

Sweetspot

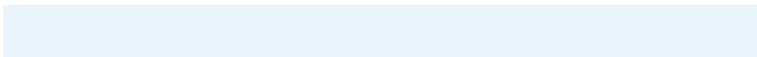
The Sweet Spot groups the original color and five complimentary colors.



83.5972, 0.3056, 0.3110



96.1493, 0.3108, 0.3241



89.7694, 0.3016, 0.3233



20.6203, 0.3109, 0.3244



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.



83.5972, 0.3056, 0.3110



83.4316, 0.3036, 0.3061



85.1472, 0.3113, 0.3113



16.9235, 0.3031, 0.3048



4.7106, 0.1743, 0.0734



0.4916, 0.1871, 0.0804

Inverse Universe

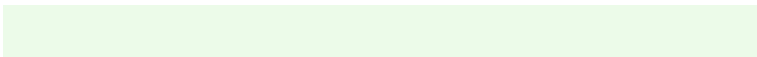
The Inverse Universe completely reimagines the original color for something new.



85.3826, 0.3173, 0.3172



85.7393, 0.3186, 0.3141



92.7504, 0.3139, 0.3471



17.4206, 0.3189, 0.3133



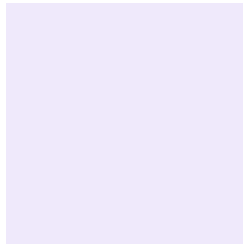
12.2848, 0.4273, 0.2128



1.1574, 0.4113, 0.2039

Previews

White Background



This preview shows how the Yxy color 83.5936, 0.3056, 0.3110 looks on a white background.

Color Contrast Check

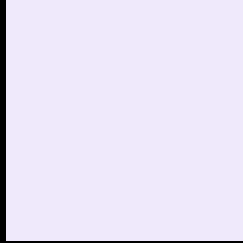
Large Text (above 18pt) WCAG AA × Fail

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 83.5936, 0.3056, 0.3110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

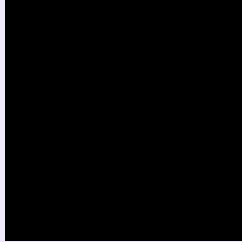
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

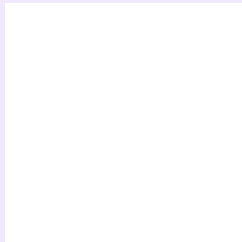
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5936, 0.3056, 0.3110

Background



This preview shows how black text looks on a background with the Yxy color 83.5936, 0.3056, 0.3110.



This preview shows how white text looks on a background with the Yxy color 83.5936, 0.3056, 0.3110.

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

83.5936, 0.3056, 0.3110

Protanopia

83.5361, 0.3024, 0.3109

Deuteranopia

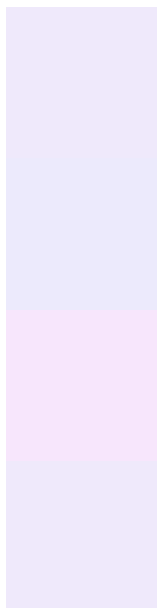
83.5761, 0.3131, 0.3065



Tritanopia

83.5936, 0.3056, 0.3110

Trichromacy



Original Color

83.5936, 0.3056, 0.3110

Protanomaly

83.7068, 0.3030, 0.3109

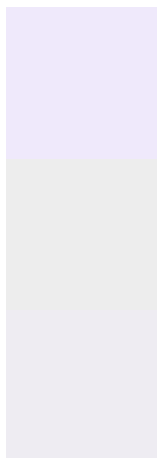
Deuteranomaly

83.3961, 0.3104, 0.3073

Tritanomaly

83.5936, 0.3056, 0.3110

Monochromacy



Original Color

83.5936, 0.3056, 0.3110

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.5789, 0.3103, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5936, 0.3056, 0.3110 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(239, 233, 251)` looks like.

```
.text, #text, p{  
    color:rgb(239, 233, 251)  
}
```

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(239, 233, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 233, 251) }
```

Border

The CSS property to change the border of an element to Yxy 83.5936, 0.3056, 0.3110 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(239, 233, 251) }
```

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

```
.border{ border-color:rgb(239, 233, 251) }
```

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

Here you see how a box with a 4 pixel rgb(239, 233, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 233, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 233, 251);  
box-shadow:4px 4px 4px 4px rgb(239, 233,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5936, 0.3056, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 233, 251) }
```

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

```
.background{ background-color: rgb(239,  
233, 251) }
```

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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