

Converting Colors

$Y_{xy}(83.9230, 0.3057, 0.3096)$

Have a look what the booklet for
Yxy(83.9230, 0.3057, 0.3096)
contains.

Yxy(83.8314, 0.3056, 0.3100)	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(83.8314, 0.3056, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	F0E9FC
RGB	240, 233, 252
RGB Percent	94%, 91%, 99%
CMY	0.0589, 0.0862, 0.0116
CMYK	0.05, 0.08, 0.00, 0.01
HSL	262°, 76%, 95%
HSV	262°, 8%, 99%
XYZ	82.6415, 83.8314, 103.9509
YIQ	237.2590, -1.9270, 7.3930

Conversions

Conversions Part 2

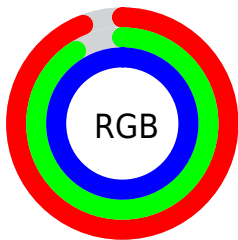
Format	Color
R _Y B	240, 233, 252
Decimal	15788540
CIE Lab	93.38, 5.77, -8.35
CIE LCh	93, 10.152, 304.646
Yxy	83.8314, 0.3056, 0.3100
Android (android.graphics.Color)	4293978620 (0xFFFF0E9FC)
YUV	237.2590, 7.2673, 2.4039
Hunter-Lab	91.5595, 0.8849, -3.2225

Details

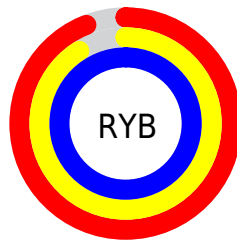
The Yxy color **83.8314, 0.3056, 0.3100** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.9549, 0.3195, 0.3478**, and the grayscale version is **84.8428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5748, 0.3044, 0.3060** is the 20% darker color. If you saturate the color by 10%, you get **67.8936, 0.2948, 0.2826**, and if you desaturate by 10%, it is **99.8107, 0.3144, 0.3318**.

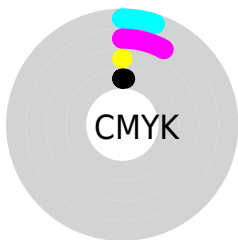
Distribution



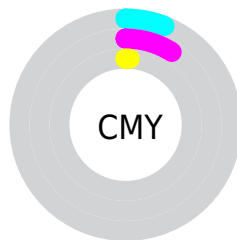
- Red (94%)
- Green (91%)
- Blue (99%)



- Red (94%)
- Yellow (91%)
- Blue (99%)



- Cyan (5%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)





- Cyan (6%)
- Magenta (9%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8314, 0.3056, 0.3100 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 83.8314, 0.3056, 0.3100 by changing the saturation by 10% instead.


 83.8314, 0.3056,
0.3100

 83.8314, 0.3056,
0.3100


507.7532, 0.3088,
0.3185

 62.8762, 0.3049,
0.3081


138.7393, 0.3067,
0.3129

 45.7411, 0.3040,
0.3059


173.4608, 0.3072,
0.3140

 32.0416, 0.3028,
0.3030


213.5400, 0.3075,
0.3150

 21.3933, 0.3014,
0.2994

259.3611, 0.3079,
0.3159

 13.4118, 0.2994,
0.2946

311.3086, 0.3082,
0.3166

 7.7127, 0.2967,
0.2880

369.7668, 0.3084,

 3.9117, 0.2925,

0.3173

0.2783

435.1202, 0.3086,
0.3179

■ 1.6243, 0.2853,
0.2626

■ 0.3739, 0.2666,
0.2009

■ 83.8314, 0.3056,
0.3100

■ 83.8314, 0.3056,
0.3100

■ 67.8936, 0.2948,
0.2826

99.8107, 0.3144,
0.3318

■ 54.1444, 0.2825,
0.2530

■ 42.4888, 0.2686,
0.2218

■ 32.8202, 0.2534,
0.1900

■ 25.0229, 0.2373,
0.1590

■ 18.9683, 0.2211,
0.1307

■ 14.5112, 0.2055,
0.1068

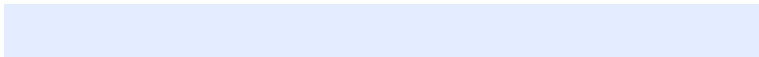
■ 11.4815, 0.1916,
0.0888

■ 9.6574, 0.1799,
0.0773

Harmonies

Analogous

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



83.8314, 0.2959, 0.3097



83.8314, 0.3056, 0.3100



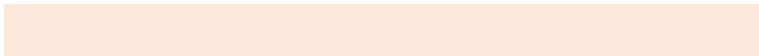
83.8314, 0.3174, 0.3152

Triad

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



83.8314, 0.3056, 0.3100



83.8314, 0.3352, 0.3431



83.8314, 0.2975, 0.3340

Complementary

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



83.8314, 0.3056, 0.3100



94.9549, 0.3195, 0.3478

Split Complementary

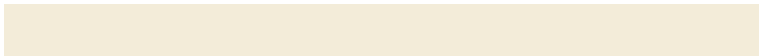
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8314, 0.3078, 0.3435



83.8314, 0.3056, 0.3100



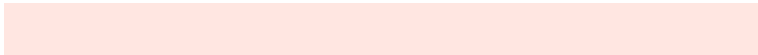
83.8314, 0.3296, 0.3486

Square

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



83.8314, 0.3056, 0.3100



83.8314, 0.3347, 0.3340



83.8314, 0.3196, 0.3489



83.8314, 0.2913, 0.3233

Rectangle

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



83.8314, 0.3056, 0.3100



83.8314, 0.3248, 0.3207



83.8314, 0.3196, 0.3489



83.8314, 0.3006, 0.3375

Sweetspot

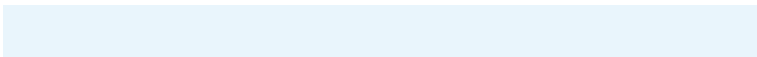
The Sweet Spot groups the original color and five complimentary colors.



83.8350, 0.3056, 0.3100



96.1808, 0.3109, 0.3241



89.8902, 0.3010, 0.3223



20.6267, 0.3110, 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.



83.8350, 0.3056, 0.3100



83.5646, 0.3041, 0.3062



85.4884, 0.3117, 0.3104



16.9521, 0.3036, 0.3049



4.9271, 0.1790, 0.0760



0.5141, 0.1921, 0.0832

Inverse Universe

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



85.5840, 0.3180, 0.3172



85.6924, 0.3191, 0.3148



93.3381, 0.3136, 0.3481



17.4105, 0.3194, 0.3141



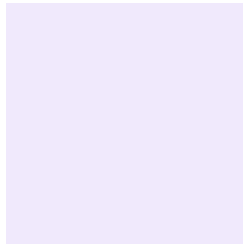
12.1287, 0.4404, 0.2200



1.1437, 0.4223, 0.2100

Previews

White Background



This preview shows how the Yxy color 83.8314, 0.3056, 0.3100 looks on a white background.

Color Contrast Check

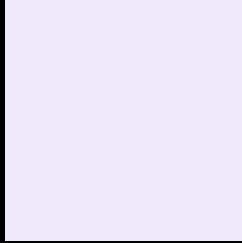
Large Text (above 18pt) WCAG AA × Fail

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 83.8314, 0.3056, 0.3100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

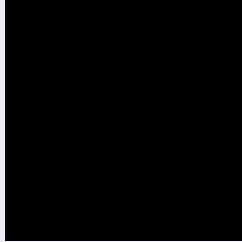
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

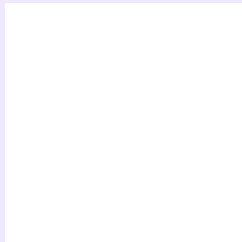
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8314, 0.3056, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 83.8314, 0.3056, 0.3100.



This preview shows how white text looks on a background with the Yxy color 83.8314, 0.3056, 0.3100.

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

83.8314, 0.3056, 0.3100

Protanopia

83.5997, 0.3018, 0.3099

Deuteranopia

83.6397, 0.3125, 0.3055



Tritanopia

83.7681, 0.3063, 0.3110

Trichromacy



Original Color

83.8314, 0.3056, 0.3100

Protanomaly

83.9420, 0.3031, 0.3099

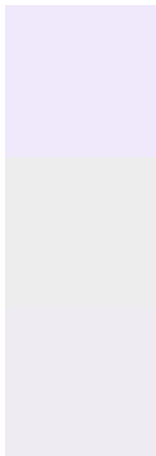
Deuteranomaly

83.4596, 0.3097, 0.3063

Tritanomaly

83.7681, 0.3063, 0.3110

Monochromacy



Original Color

83.8314, 0.3056, 0.3100

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 83.8314, 0.3056, 0.3100 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(240, 233, 252)` looks like.

```
.text, #text, p{  
    color:rgb(240, 233, 252)  
}
```

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(240, 233, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 233, 252) }
```

Border

The CSS property to change the border of an element to Yxy 83.8314, 0.3056, 0.3100 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(240, 233, 252) }
```

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

```
.border{ border-color:rgb(240, 233, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 233, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 233, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 233, 252);  
box-shadow:4px 4px 4px 4px rgb(240, 233,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8314, 0.3056, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 233, 252) }
```

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

```
.background{ background-color: rgb(240,  
233, 252) }
```

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