

# Converting Colors

$Y_{xy}(83.3312, 0.3055, 0.3052)$

Have a look what the booklet for  
Yxy(83.3312, 0.3055, 0.3052)  
contains.

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# Color

**Yxy(83.4265, 0.3058, 0.3052)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3E7FF
RGB	243, 231, 255
RGB Percent	95%, 91%, 100%
CMY	0.0471, 0.0941, 0.0000
CMYK	0.05, 0.09, 0.00, 0.00
HSL	270°, 100%, 95%
HSV	270°, 9%, 100%
XYZ	83.5905, 83.4265, 106.3333
YIQ	237.3240, -0.5520, 10.0080

# Conversions

## Conversions Part 2

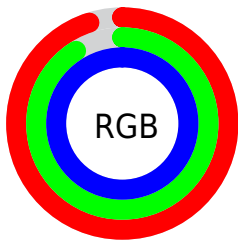
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 231, 255
Decimal	15984639
CIE Lab	93.20, 8.35, -10.15
CIE LCh	93, 13.144, 309.450
Yxy	83.4265, 0.3058, 0.3052
Android (android.graphics.Color)	4294174719 (0xFFFF3E7FF)
YUV	237.3240, 8.7143, 4.9779
Hunter-Lab	91.3381, 3.5174, -5.0871

# Details

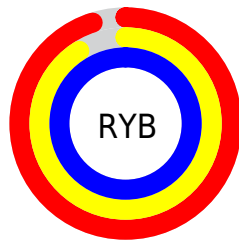
The Yxy color 83.4265, 0.3058, 0.3052 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.3461, 0.3191, 0.3528, and the grayscale version is 84.8824, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 45.3020, 0.3046, 0.2999 is the 20% darker color. If you saturate the color by 10%, you get 67.9864, 0.2973, 0.2780, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

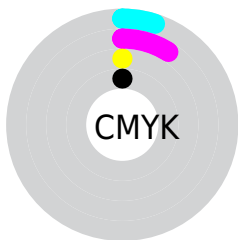
# Distribution



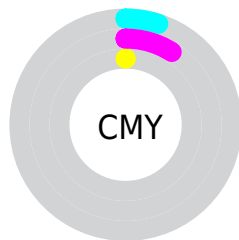
- Red (95%)
- Green (91%)
- Blue (100%)



- 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 83.4265, 0.3058, 0.3052 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 83.4265, 0.3058, 0.3052 by changing the saturation by 10% instead.




 83.4265, 0.3058,  
0.3052

 83.4265, 0.3058,  
0.3052


506.4068, 0.3090,  
0.3158

 62.5421, 0.3051,  
0.3029


138.1727, 0.3069,  
0.3088

 45.4708, 0.3042,  
0.3001


172.8031, 0.3073,  
0.3102

 31.8284, 0.3031,  
0.2966


212.7844, 0.3077,  
0.3114

 21.2305, 0.3016,  
0.2921

258.5009, 0.3080,  
0.3125

 13.2926, 0.2996,  
0.2862

310.3370, 0.3083,  
0.3135

 7.6303, 0.2968,  
0.2781

368.6771, 0.3086,

 3.8593, 0.2925,

0.3143

0.2663

433.9056, 0.3088,  
0.3151

■ 1.5952, 0.2852,  
0.2474

■ 0.3544, 0.2708,  
0.1775

■ 83.4265, 0.3058,  
0.3052

■ 83.4265, 0.3058,  
0.3052

■ 67.9864, 0.2973,  
0.2780

100.0000, 0.3127,  
0.3290

■ 54.6893, 0.2874,  
0.2490

■ 43.4374, 0.2763,  
0.2190

■ 34.1232, 0.2640,  
0.1891

■ 26.6293, 0.2509,  
0.1606

■ 20.8248, 0.2374,  
0.1351

■ 16.5608, 0.2243,  
0.1140

■ 13.6608, 0.2120,  
0.0984

■ 11.8553, 0.2010,  
0.0883

# Harmonies

## Analogous

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



83.4265, 0.2926, 0.3037



83.4265, 0.3058, 0.3052



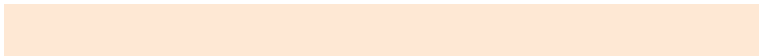
83.4265, 0.3212, 0.3127

# Triad

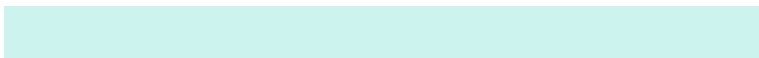
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4265, 0.3058, 0.3052



83.4265, 0.3413, 0.3487



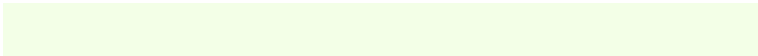
83.4265, 0.2913, 0.3332

# Complementary

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



83.4265, 0.3058, 0.3052



96.3461, 0.3191, 0.3528

# 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.



83.4265, 0.3039, 0.3462



83.4265, 0.3058, 0.3052



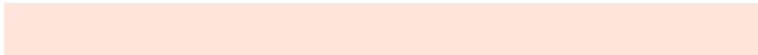
83.4265, 0.3328, 0.3551

# Square

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



83.4265, 0.3058, 0.3052



83.4265, 0.3419, 0.3374



83.4265, 0.3191, 0.3543



83.4265, 0.2844, 0.3194



# Rectangle

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



83.4265, 0.3058, 0.3052



83.4265, 0.3305, 0.3202



83.4265, 0.3191, 0.3543



83.4265, 0.2950, 0.3379

# Sweetspot

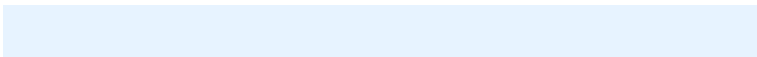
The Sweet Spot groups the original color and five complimentary colors.



83.4278, 0.3058, 0.3052



94.4971, 0.3106, 0.3216



88.5516, 0.2981, 0.3173



19.9190, 0.3101, 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.



83.4278, 0.3058, 0.3052



80.8257, 0.3045, 0.3010



85.5583, 0.3135, 0.3058



17.8236, 0.3057, 0.3050



6.2359, 0.2020, 0.0887



0.6721, 0.2143, 0.0954



# Inverse Universe

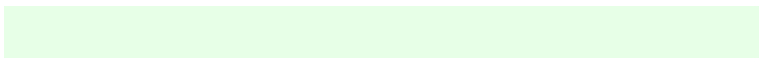
The Inverse Universe completely reimagines the original color for something new.



84.8857, 0.3214, 0.3173



82.5207, 0.3231, 0.3152



94.3460, 0.3118, 0.3533



18.1387, 0.3215, 0.3172



11.9475, 0.4963, 0.2508

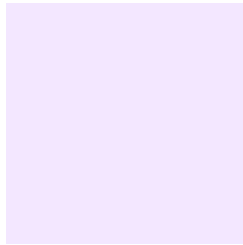


1.1853, 0.4709, 0.2368



# Previews

## White Background



This preview shows how the Yxy color 83.4265, 0.3058, 0.3052 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

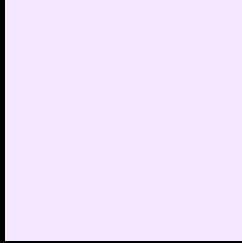
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.4265, 0.3058, 0.3052 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

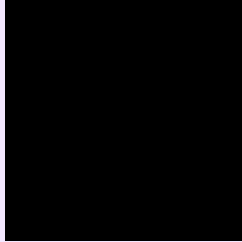
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

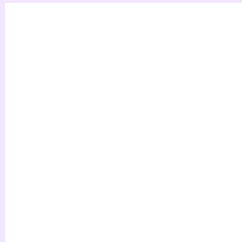
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.4265, 0.3058, 0.3052**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.4265, 0.3058, 0.3052.

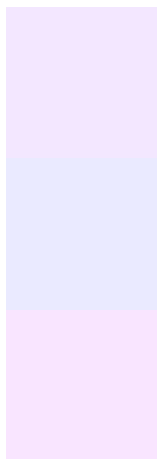


This preview shows how white text looks on a background with the Yxy color 83.4265, 0.3058, 0.3052.

# 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

83.4265, 0.3058, 0.3052

### Protanopia

83.5581, 0.2999, 0.3079

### Deuteranopia

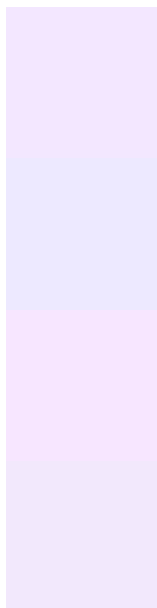
83.3984, 0.3099, 0.3035



## Tritanopia

83.4926, 0.3082, 0.3111

# Trichromacy



## Original Color

83.4265, 0.3058, 0.3052

## Protanomaly

83.5024, 0.3019, 0.3070

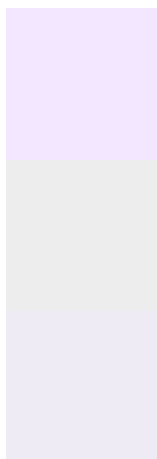
## Deuteranomaly

83.5878, 0.3085, 0.3044

## Tritanomaly

83.6187, 0.3070, 0.3091

# Monochromacy



## Original Color

83.4265, 0.3058, 0.3052

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.2990, 0.3098, 0.3199

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.4265, 0.3058, 0.3052 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(243, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 231, 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(243, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 231, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 83.4265, 0.3058, 0.3052 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(243, 231, 255) }
```

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

```
.border{ border-color:rgb(243, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 231,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.4265, 0.3058, 0.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 231, 255) }
```

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

```
.background{ background-color: rgb(243,  
231, 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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