

# Converting Colors

Yxy(82.8311, 0.3100, 0.3159)

Have a look what the booklet for  
Yxy(82.8311, 0.3100, 0.3159)  
contains.

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# Color

**Yxy(82.8311, 0.3100, 0.3159)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0E8F5
RGB	240, 232, 245
RGB Percent	94%, 91%, 96%
CMY	0.0587, 0.0902, 0.0392
CMYK	0.02, 0.05, 0.00, 0.04
HSL	277°, 39%, 94%
HSV	277°, 5%, 96%
XYZ	81.2841, 82.8311, 98.0915
YIQ	235.8740, 0.5950, 5.7390

# Conversions

## Conversions Part 2

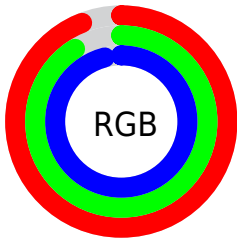
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 232, 245
Decimal	15788277
CIE Lab	92.94, 5.03, -5.33
CIE LCh	93, 7.329, 313.307
Yxy	82.8311, 0.3100, 0.3159
Android (android.graphics.Color)	4293978357 (0xFFFF0E8F5)
YUV	235.8740, 4.4991, 3.6185
Hunter-Lab	91.0116, 0.1513, -0.1941

# Details

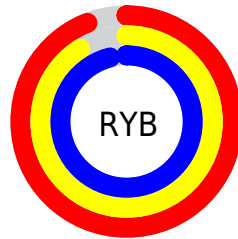
The Yxy color **82.8311, 0.3100, 0.3159** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.1289, 0.3153, 0.3422**, and the grayscale version is **83.7503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9151, 0.3092, 0.3122** is the 20% darker color. If you saturate the color by 10%, you get **68.3971, 0.3042, 0.2898**, and if you desaturate by 10%, it is **98.3230, 0.3150, 0.3387**.

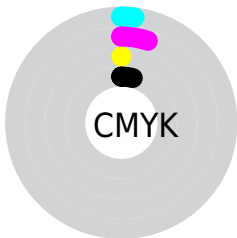
# Distribution



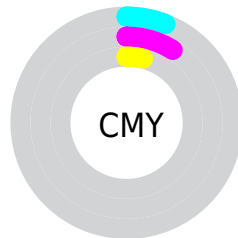
- Red (94%)
- Green (91%)
- Blue (96%)



- Red (94%)
- Yellow (91%)
- Blue (96%)



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)




- Cyan (6%)
- Magenta (9%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8311, 0.3100, 0.3159 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 82.8311, 0.3100, 0.3159 by changing the saturation by 10% instead.



 82.8311, 0.3100,  
0.3159

 82.8311, 0.3100,  
0.3159


504.4234, 0.3113,  
0.3218

 62.0508, 0.3097,  
0.3146

137.3389, 0.3104,  
0.3179

 45.0738, 0.3094,  
0.3130


171.8352, 0.3106,  
0.3187

 31.5155, 0.3089,  
0.3110


211.6723, 0.3107,  
0.3194

 20.9917, 0.3083,  
0.3085

257.2345, 0.3109,  
0.3200

 13.1180, 0.3076,  
0.3051

308.9064, 0.3110,  
0.3205

 7.5098, 0.3064,  
0.3004

367.0722, 0.3111,

 3.7829, 0.3047,

0.3210

0.2934

432.1165, 0.3112,  
0.3214

■ 1.5529, 0.3017,  
0.2820

■ 0.3255, 0.2910,  
0.2192

■ 82.8311, 0.3100,  
0.3159

■ 82.8311, 0.3100,  
0.3159

■ 68.3971, 0.3042,  
0.2898

■ 98.3230, 0.3150,  
0.3387

■ 55.8859, 0.2973,  
0.2623

■ 99.3728, 0.3185,  
0.3386

■ 45.2155, 0.2894,  
0.2339

■ 36.2932, 0.2805,  
0.2055

■ 29.0183, 0.2708,  
0.1783

■ 23.2797, 0.2606,  
0.1536

■ 18.9519, 0.2501,  
0.1327

■ 15.8888, 0.2399,  
0.1166

■ 13.9106, 0.2302,  
0.1056

# Harmonies

## Analogous

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



82.8311, 0.3023, 0.3146



82.8311, 0.3100, 0.3159



82.8311, 0.3185, 0.3206

# Triad

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



82.8311, 0.3100, 0.3159



82.8311, 0.3283, 0.3408



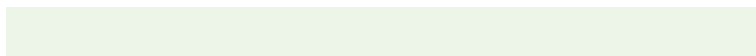
82.8311, 0.3000, 0.3304

# Complementary

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



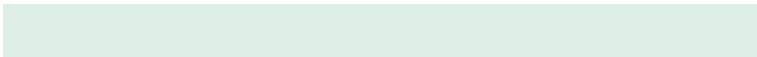
82.8311, 0.3100, 0.3159



89.1289, 0.3153, 0.3422

# Split Complementary

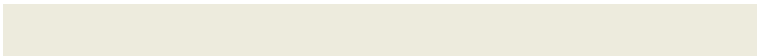
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8311, 0.3068, 0.3377



82.8311, 0.3100, 0.3159



82.8311, 0.3231, 0.3437

# Square

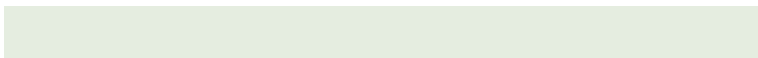
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8311, 0.3100, 0.3159



82.8311, 0.3292, 0.3348



82.8311, 0.3153, 0.3426



82.8311, 0.2966, 0.3229

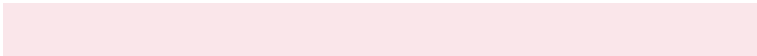


# Rectangle

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



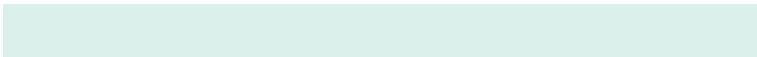
82.8311, 0.3100, 0.3159



82.8311, 0.3236, 0.3250



82.8311, 0.3153, 0.3426



82.8311, 0.3019, 0.3330

# Sweetspot

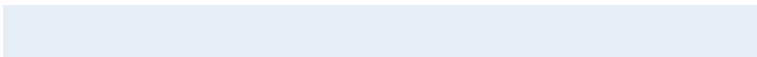
The Sweet Spot groups the original color and five complimentary colors.



82.8347, 0.3100, 0.3159



96.4222, 0.3117, 0.3241



84.3041, 0.3046, 0.3208



20.6758, 0.3118, 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.



82.8347, 0.3100, 0.3159



89.5343, 0.3096, 0.3141



83.6225, 0.3143, 0.3175



17.3433, 0.3093, 0.3125



7.2095, 0.2273, 0.1026



0.6925, 0.2389, 0.1090



# Inverse Universe

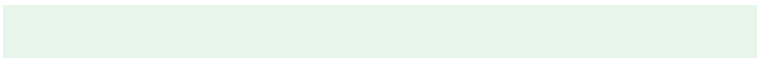
The Inverse Universe completely reimagines the original color for something new.



83.2336, 0.3184, 0.3240



90.0288, 0.3192, 0.3234



88.3738, 0.3112, 0.3407



17.4503, 0.3199, 0.3228



10.9123, 0.5456, 0.2779

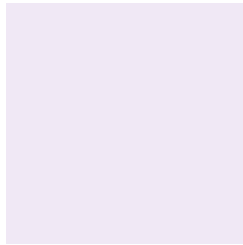


0.9785, 0.5117, 0.2593



# Previews

## White Background



This preview shows how the Yxy color 82.8311, 0.3100, 0.3159 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

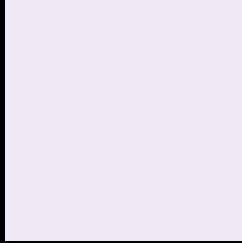
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.8311, 0.3100, 0.3159 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

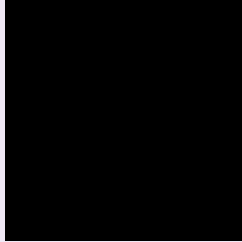
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

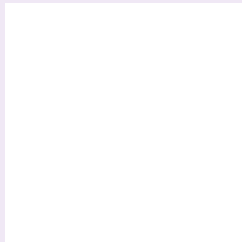
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.8311, 0.3100, 0.3159**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.8311, 0.3100, 0.3159.

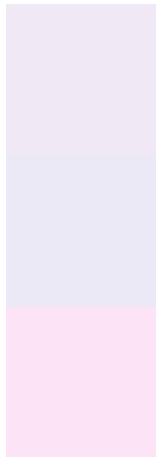


This preview shows how white text looks on a background with the Yxy color 82.8311, 0.3100, 0.3159.

# 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

82.8311, 0.3100, 0.3159

### Protanopia

82.7645, 0.3067, 0.3158

### Deuteranopia

82.8361, 0.3177, 0.3113



## Tritanopia

82.7547, 0.3076, 0.3100

# Trichromacy



## Original Color

82.8311, 0.3100, 0.3159

## Protanomaly

82.9362, 0.3073, 0.3159

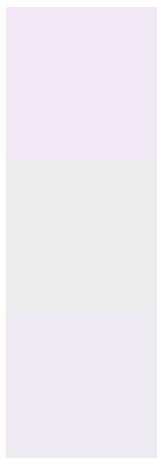
## Deuteranomaly

82.6489, 0.3149, 0.3122

## Tritanomaly

82.6299, 0.3088, 0.3120

# Monochromacy



## Original Color

82.8311, 0.3100, 0.3159

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.6532, 0.3116, 0.3249

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.8311, 0.3100, 0.3159 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, 232, 245)` looks like.

```
.text, #text, p{  
    color:rgb(240, 232, 245)  
}
```

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, 232, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 232, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 82.8311, 0.3100, 0.3159 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, 232, 245) }
```

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

```
.border{ border-color:rgb(240, 232, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 232, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 232, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 232, 245);  
box-shadow:4px 4px 4px 4px rgb(240, 232,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.8311, 0.3100, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 232, 245) }
```

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

```
.background{ background-color: rgb(240,  
232, 245) }
```

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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