

# Converting Colors

$Yxy(83.7831, 0.3203, 0.3232)$

Have a look what the booklet for  
Yxy(83.7831, 0.3203, 0.3232)  
contains.

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# Color

**Yxy(83.8427, 0.3198, 0.3230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8E8EE
RGB	248, 232, 238
RGB Percent	97%, 91%, 93%
CMY	0.0273, 0.0902, 0.0665
CMYK	0.00, 0.06, 0.04, 0.03
HSL	337°, 54%, 94%
HSV	337°, 6%, 97%
XYZ	83.0121, 83.8427, 92.7202
YIQ	237.4680, 7.6100, 5.2580

# Conversions

## Conversions Part 2

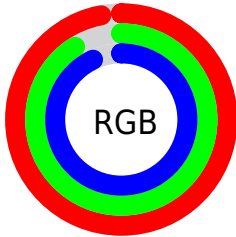
Format	Color
R <sub>Y</sub> B	248, 232, 238
Decimal	16312558
CIE Lab	93.38, 6.46, -0.98
CIE LCh	93, 6.536, 351.382
Yxy	83.8427, 0.3198, 0.3230
Android (android.graphics.Color)	4294502638 (0xFF8E8EE)
YUV	237.4680, 0.2623, 9.2366
Hunter-Lab	91.5657, 1.5855, 4.0584

# Details

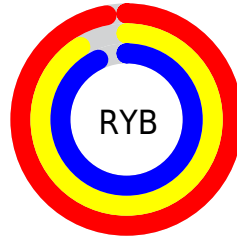
The Yxy color  $83.8427, 0.3198, 0.3230$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $90.7191, 0.3061, 0.3351$ , and the grayscale version is  $85.0673, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $45.6345, 0.3219, 0.3214$  is the 20% darker color. If you saturate the color by 10%, you get  $69.9843, 0.3327, 0.3132$ , and if you desaturate by 10%, it is  $98.6057, 0.3093, 0.3304$ .

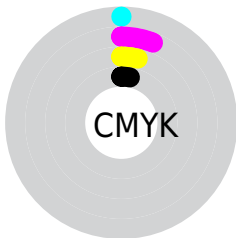
# Distribution



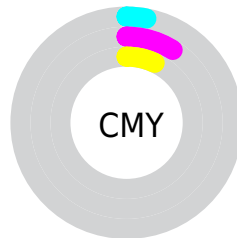
- Red (97%)
- Green (91%)
- Blue (93%)



- Red (97%)
- Yellow (91%)
- Blue (93%)



- Cyan (0%)
- Magenta (6%)
- Yellow (4%)
- Black (3%)




- Cyan (3%)
- Magenta (9%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.8427, 0.3198, 0.3230 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 83.8427, 0.3198, 0.3230 by changing the saturation by 10% instead.



 83.8427, 0.3198,  
0.3230

 83.8427, 0.3198,  
0.3230

507.7907, 0.3166,  
0.3257

 62.8856, 0.3205,  
0.3224

138.7551, 0.3187,  
0.3239

 45.7486, 0.3214,  
0.3217


173.4792, 0.3183,  
0.3243

 32.0475, 0.3225,  
0.3207


213.5610, 0.3179,  
0.3246

 21.3978, 0.3239,  
0.3196

259.3851, 0.3176,  
0.3249

 13.4151, 0.3257,  
0.3180

311.3357, 0.3173,  
0.3251

 7.7150, 0.3283,  
0.3158

369.7972, 0.3170,

 3.9131, 0.3323,

0.3253

435.1541, 0.3168,  
0.3255

0.3125

1.6251, 0.3388,  
0.3071

0.3744, 0.3765,  
0.2745

83.8427, 0.3198,  
0.3230

83.8427, 0.3198,  
0.3230

69.9843, 0.3327,  
0.3132

98.6057, 0.3093,  
0.3304

58.0867, 0.3485,  
0.3030

98.7022, 0.3084,  
0.3290

48.0638, 0.3676,  
0.2928

39.8187, 0.3904,  
0.2830

■ 33.2455, 0.4170,  
0.2746

■ 28.2273, 0.4470,  
0.2687

■ 24.6317, 0.4793,  
0.2667

■ 22.3038, 0.5118,  
0.2696

■ 21.0505, 0.5419,  
0.2778

# Harmonies

## Analogous

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



83.8427, 0.3124, 0.3182



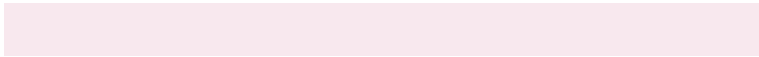
83.8427, 0.3198, 0.3230



83.8427, 0.3254, 0.3294

# Triad

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



83.8427, 0.3198, 0.3230



83.8427, 0.3203, 0.3421



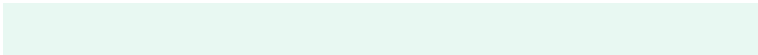
83.8427, 0.2982, 0.3220

# Complementary

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



83.8427, 0.3198, 0.3230



90.7191, 0.3061, 0.3351

# Split Complementary

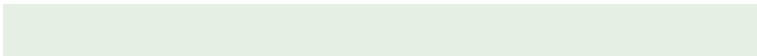
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8427, 0.3002, 0.3284



83.8427, 0.3198, 0.3230



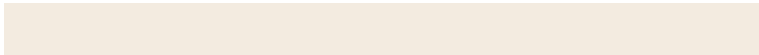
83.8427, 0.3129, 0.3402

# Square

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



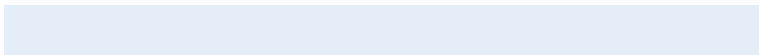
83.8427, 0.3198, 0.3230



83.8427, 0.3256, 0.3405



83.8427, 0.3056, 0.3351



83.8427, 0.2999, 0.3175

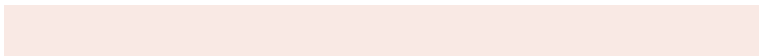


# Rectangle

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



83.8427, 0.3198, 0.3230



83.8427, 0.3272, 0.3338



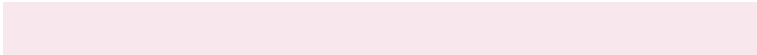
83.8427, 0.3056, 0.3351



83.8427, 0.2984, 0.3240

# Sweetspot

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



83.8463, 0.3198, 0.3230



96.5860, 0.3148, 0.3272



83.3451, 0.3093, 0.3130



20.7091, 0.3147, 0.3273



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

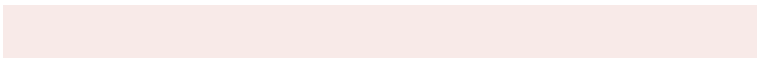
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8463, 0.3198, 0.3230



86.8756, 0.3216, 0.3215



84.5563, 0.3235, 0.3309



17.3333, 0.3235, 0.3201



11.2360, 0.5477, 0.2791

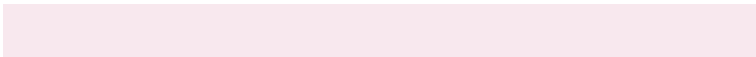


1.0605, 0.5153, 0.2612



# Inverse Universe

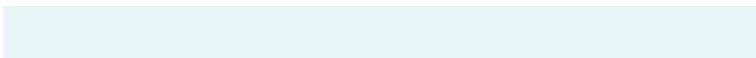
The Inverse Universe completely reimagines the original color for something new.



83.8463, 0.3198, 0.3230



86.8756, 0.3216, 0.3215



89.9430, 0.3027, 0.3271



17.3333, 0.3235, 0.3201



11.2360, 0.5477, 0.2791

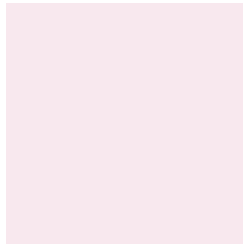


1.0605, 0.5153, 0.2612



# Previews

## White Background



This preview shows how the Yxy color 83.8427, 0.3198, 0.3230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

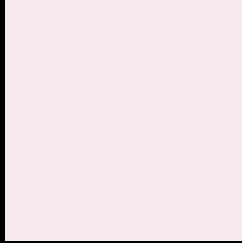
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.8427, 0.3198, 0.3230 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 83.8427, 0.3198, 0.3230**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.8427, 0.3198, 0.3230.

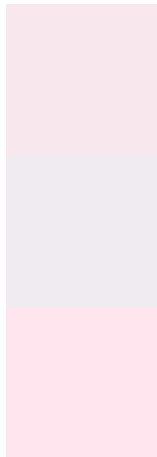


This preview shows how white text looks on a background with the Yxy color 83.8427, 0.3198, 0.3230.

# 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

83.8427, 0.3198, 0.3230

### Protanopia

84.0587, 0.3123, 0.3239

### Deuteranopia

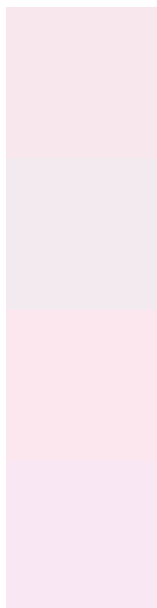
84.0267, 0.3248, 0.3212



## Tritanopia

83.6949, 0.3149, 0.3113

# Trichromacy



## Original Color

83.8427, 0.3198, 0.3230

## Protanomaly

83.9549, 0.3150, 0.3240

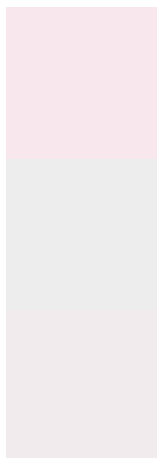
## Deuteranomaly

84.0203, 0.3226, 0.3221

## Tritanomaly

83.8232, 0.3167, 0.3162

# Monochromacy



## Original Color

83.8427, 0.3198, 0.3230

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.2319, 0.3155, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.8427, 0.3198, 0.3230 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(248, 232, 238)` looks like.

```
.text, #text, p{  
    color:rgb(248, 232, 238)  
}
```

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(248, 232, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 232, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 83.8427, 0.3198, 0.3230 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(248, 232, 238) }
```

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

```
.border{ border-color:rgb(248, 232, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 232, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 232, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 232, 238);  
box-shadow:4px 4px 4px 4px rgb(248, 232,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.8427, 0.3198, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 232, 238) }
```

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

```
.background{ background-color: rgb(248,  
232, 238) }
```

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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