

# Converting Colors

$Y_{xy}(85.2157, 0.3135, 0.3124)$

Have a look what the booklet for  
Yxy(85.2157, 0.3135, 0.3124)  
contains.

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# Color

**Yxy(85.5039, 0.3135, 0.3123)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAE9FA
RGB	250, 233, 250
RGB Percent	98%, 91%, 98%
CMY	0.0195, 0.0863, 0.0195
CMYK	0.00, 0.07, 0.00, 0.02
HSL	300°, 63%, 95%
HSV	300°, 7%, 98%
XYZ	85.8324, 85.5039, 102.4514
YIQ	240.0210, 4.6750, 8.8910

# Conversions

## Conversions Part 2

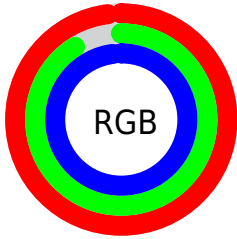
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 233, 250
Decimal	16443898
CIE Lab	94.10, 8.72, -6.15
CIE LCh	94, 10.675, 324.791
Yxy	85.5039, 0.3135, 0.3123
Android (android.graphics.Color)	4294633978 (0xFFFAE9FA)
YUV	240.0210, 4.9196, 8.7516
Hunter-Lab	92.4683, 3.8706, -0.9632

# Details

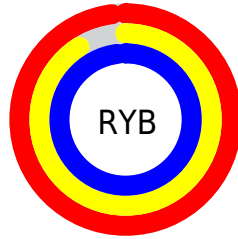
The Yxy color **85.5039, 0.3135, 0.3123** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **91.5991, 0.3119, 0.3463**, and the grayscale version is **87.1198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8087, 0.3137, 0.3078** is the 20% darker color. If you saturate the color by 10%, you get **72.3404, 0.3147, 0.2872**, and if you desaturate by 10%, it is **98.7554, 0.3125, 0.3338**.

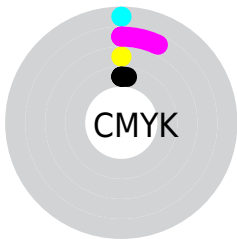
# Distribution



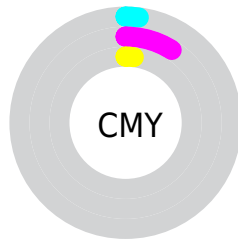
- Red (98%)
- Green (91%)
- Blue (98%)



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



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5039, 0.3135, 0.3123 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 85.5039, 0.3135, 0.3123 by changing the saturation by 10% instead.




 85.5039, 0.3135,  
0.3123

 85.5039, 0.3135,  
0.3123

513.2940, 0.3132,  
0.3197

 64.2578, 0.3136,  
0.3107

141.0770, 0.3134,  
0.3148

 46.8595, 0.3136,  
0.3087


176.1728, 0.3134,  
0.3158

 32.9246, 0.3137,  
0.3062


216.6539, 0.3133,  
0.3167

 22.0687, 0.3138,  
0.3031

262.9049, 0.3133,  
0.3174

 13.9074, 0.3139,  
0.2990

315.3099, 0.3133,  
0.3181

 8.0563, 0.3140,  
0.2934


374.2535, 0.3132,


 4.1310, 0.3141,


0.3187


0.2851

440.1201, 0.3132,  
0.3192


 1.7471, 0.3140,  
0.2718


 0.4539, 0.3185,  
0.2244

 85.5039, 0.3135,  
0.3123


 85.5039, 0.3135,  
0.3123


 72.3404, 0.3147,  
0.2872


 98.7554, 0.3125,  
0.3338


 61.0950, 0.3159,  
0.2621

 98.7554, 0.3125,  
0.3338

 51.6817, 0.3170,  
0.2377

 98.7555, 0.3125,  
0.3338

 44.0033, 0.3181,  
0.2151

 98.7556, 0.3125,  
0.3338

37.9541, 0.3190,  
0.1951

98.7556, 0.3125,  
0.3338

33.4165, 0.3198,  
0.1787

98.7557, 0.3125,  
0.3338

30.2573, 0.3203,  
0.1665

98.7558, 0.3125,  
0.3338

28.3203, 0.3207,  
0.1587

98.7558, 0.3125,  
0.3338

27.4074, 0.3209,  
0.1549

98.7559, 0.3125,  
0.3338

# Harmonies

## Analogous

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



85.5039, 0.3016, 0.3085



85.5039, 0.3135, 0.3123



85.5039, 0.3254, 0.3204

# Triad

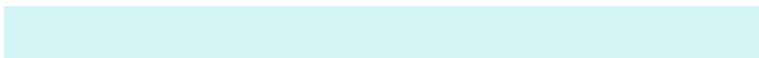
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5039, 0.3135, 0.3123



85.5039, 0.3329, 0.3482



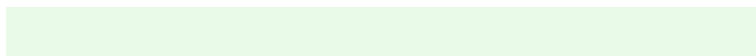
85.5039, 0.2919, 0.3267

# Complementary

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



85.5039, 0.3135, 0.3123



91.5991, 0.3119, 0.3463

# 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.



85.5039, 0.3000, 0.3378



85.5039, 0.3135, 0.3123



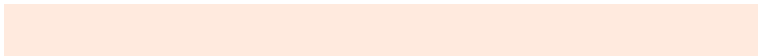
85.5039, 0.3237, 0.3504

# Square

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



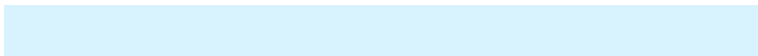
85.5039, 0.3135, 0.3123



85.5039, 0.3368, 0.3409



85.5039, 0.3116, 0.3466



85.5039, 0.2892, 0.3165

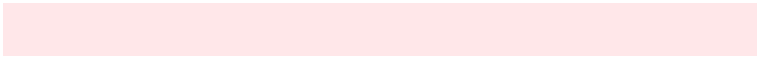


# Rectangle

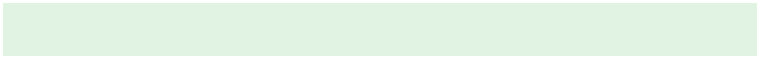
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.5039, 0.3135, 0.3123



85.5039, 0.3317, 0.3272



85.5039, 0.3116, 0.3466



85.5039, 0.2940, 0.3304

# Sweetspot

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



85.5076, 0.3135, 0.3123



96.7891, 0.3129, 0.3241



82.4987, 0.3022, 0.3117



20.7505, 0.3129, 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.



85.5076, 0.3135, 0.3123



87.6678, 0.3136, 0.3093



84.9848, 0.3189, 0.3206



17.5246, 0.3138, 0.3056



14.4413, 0.3209, 0.1542



1.3375, 0.3209, 0.1542



# Inverse Universe

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



85.5076, 0.3135, 0.3123



87.6678, 0.3136, 0.3093



92.0980, 0.3070, 0.3376



17.5246, 0.3138, 0.3056



14.4413, 0.3209, 0.1542

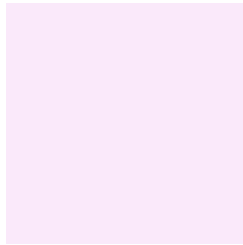


1.3375, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 85.5039, 0.3135, 0.3123 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

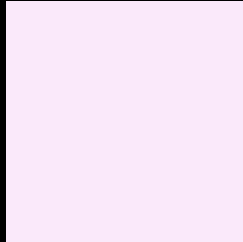
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.5039, 0.3135, 0.3123 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

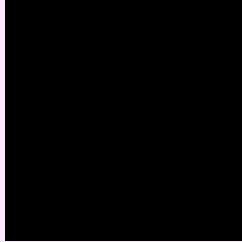
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

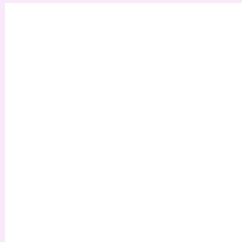
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.5039, 0.3135, 0.3123**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.5039, 0.3135, 0.3123.

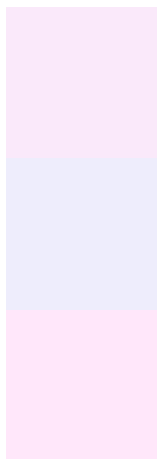


This preview shows how white text looks on a background with the Yxy color 85.5039, 0.3135, 0.3123.

# 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

85.5039, 0.3135, 0.3123

### Protanopia

85.7738, 0.3043, 0.3140

### Deuteranopia

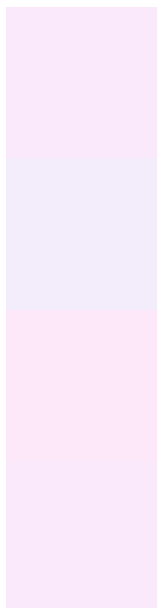
85.3140, 0.3170, 0.3106



## Tritanopia

85.5669, 0.3129, 0.3114

# Trichromacy



## Original Color

85.5039, 0.3135, 0.3123

## Protanomaly

85.8332, 0.3075, 0.3141

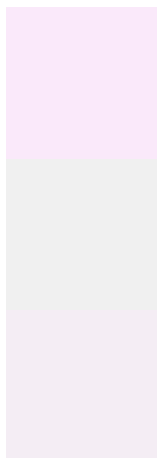
## Deuteranomaly

85.4980, 0.3156, 0.3115

## Tritanomaly

85.5669, 0.3129, 0.3114

# Monochromacy



## Original Color

85.5039, 0.3135, 0.3123

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

86.3331, 0.3130, 0.3220

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.5039, 0.3135, 0.3123 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(250, 233, 250)` looks like.

```
.text, #text, p{  
    color:rgb(250, 233, 250)  
}
```

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(250, 233, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 233, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 85.5039, 0.3135, 0.3123 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(250, 233, 250) }
```

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

```
.border{ border-color:rgb(250, 233, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 233, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(250, 233, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(250, 233, 250); box-shadow:4px 4px 4px 4px rgb(250, 233, 250) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.5039, 0.3135, 0.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 233, 250) }
```

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

```
.background{ background-color: rgb(250,  
233, 250) }
```

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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