

# Converting Colors

$Y_{xy}(83.2578, 0.3223, 0.3202)$

Have a look what the booklet for  
Yxy(83.2578, 0.3223, 0.3202)  
contains.

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# Color

**Yxy(83.5211, 0.3220, 0.3201)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCE6EF
RGB	252, 230, 239
RGB Percent	99%, 90%, 94%
CMY	0.0119, 0.0980, 0.0626
CMYK	0.00, 0.09, 0.05, 0.01
HSL	335°, 78%, 95%
HSV	335°, 9%, 99%
XYZ	84.0169, 83.5211, 93.3839
YIQ	237.6040, 10.2230, 7.4630

# Conversions

## Conversions Part 2

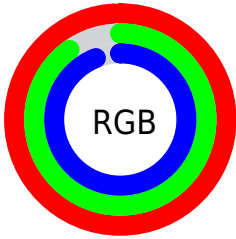
Format	Color
R <sub>Y</sub> B	252, 230, 239
Decimal	16574191
CIE Lab	93.24, 8.99, -1.67
CIE LCh	93, 9.141, 349.460
Yxy	83.5211, 0.3220, 0.3201
Android (android.graphics.Color)	4294764271 (0xFFFC6EF)
YUV	237.6040, 0.6882, 12.6253
Hunter-Lab	91.3899, 4.1669, 3.3892

# Details

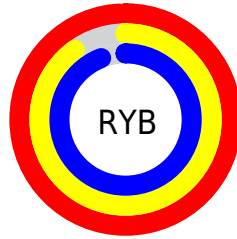
The Yxy color **83.5211, 0.3220, 0.3201** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.8925, 0.3043, 0.3381**, and the grayscale version is **85.1677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2931, 0.3239, 0.3176** is the 20% darker color. If you saturate the color by 10%, you get **69.6572, 0.3348, 0.3093**, and if you desaturate by 10%, it is **99.3570, 0.3115, 0.3301**.

# Distribution



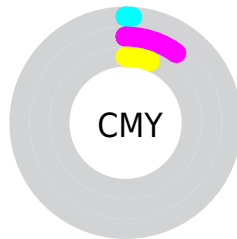
- Red (99%)
- Green (90%)
- Blue (94%)



- Red (99%)
- Yellow (90%)
- Blue (94%)



- Cyan (0%)
- Magenta (9%)
- Yellow (5%)
- Black (1%)




- Cyan (1%)
- Magenta (10%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5211, 0.3220, 0.3201 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 83.5211, 0.3220, 0.3201 by changing the saturation by 10% instead.



 83.5211, 0.3220,  
0.3201

 83.5211, 0.3220,  
0.3201


506.7216, 0.3178,  
0.3241

 62.6201, 0.3229,  
0.3192

138.3051, 0.3206,  
0.3215

 45.5340, 0.3241,  
0.3181


172.9569, 0.3200,  
0.3220

 31.8782, 0.3255,  
0.3168

212.9610, 0.3195,  
0.3225

 21.2685, 0.3273,  
0.3150


258.7020, 0.3191,  
0.3229

 13.3204, 0.3297,  
0.3127

310.5641, 0.3187,  
0.3232

 7.6495, 0.3332,  
0.3095

368.9318, 0.3184,

 3.8715, 0.3383,

0.3236

0.3047

434.1895, 0.3181,  
0.3238

■ 1.6020, 0.3468,  
0.2968

■ 0.3589, 0.3928,  
0.2515

■ 83.5211, 0.3220,  
0.3201

■ 83.5211, 0.3220,  
0.3201

■ 69.6572, 0.3348,  
0.3093

■ 99.3570, 0.3115,  
0.3301

■ 57.8002, 0.3504,  
0.2981

■ 99.4292, 0.3108,  
0.3290

■ 47.8594, 0.3691,  
0.2870

■ 39.7323, 0.3913,  
0.2765

■ 33.3073, 0.4169,  
0.2678

■ 28.4598, 0.4455,  
0.2619

■ 25.0483, 0.4759,  
0.2602

■ 22.9052, 0.5062,  
0.2637

■ 21.7900, 0.5344,  
0.2724

# Harmonies

## Analogous

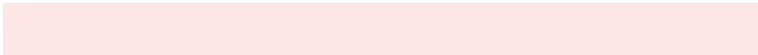
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5211, 0.3115, 0.3136



83.5211, 0.3220, 0.3201



83.5211, 0.3301, 0.3289

# Triad

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



83.5211, 0.3220, 0.3201



83.5211, 0.3239, 0.3474



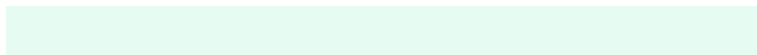
83.5211, 0.2924, 0.3196

# Complementary

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



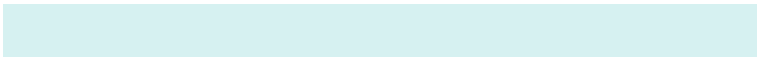
83.5211, 0.3220, 0.3201



92.8925, 0.3043, 0.3381

# Split Complementary

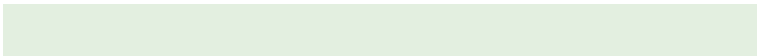
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5211, 0.2956, 0.3288



83.5211, 0.3220, 0.3201



83.5211, 0.3137, 0.3451

# Square

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



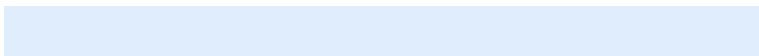
83.5211, 0.3220, 0.3201



83.5211, 0.3311, 0.3447



83.5211, 0.3034, 0.3382



83.5211, 0.2945, 0.3132

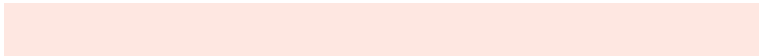


# Rectangle

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



83.5211, 0.3220, 0.3201



83.5211, 0.3329, 0.3350



83.5211, 0.3034, 0.3382



83.5211, 0.2929, 0.3225

# Sweetspot

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



83.5247, 0.3220, 0.3201



94.9290, 0.3157, 0.3260



82.6499, 0.3076, 0.3072



20.0359, 0.3166, 0.3252



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

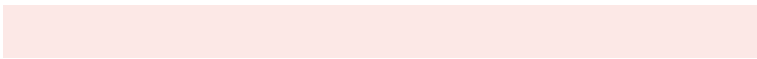
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5247, 0.3220, 0.3201



83.8661, 0.3235, 0.3187



84.0280, 0.3277, 0.3309



17.3436, 0.3229, 0.3193



11.3246, 0.5336, 0.2713



1.0694, 0.5025, 0.2542



# Inverse Universe

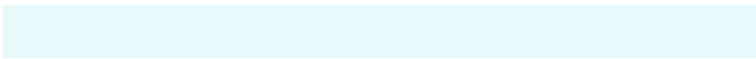
The Inverse Universe completely reimagines the original color for something new.



83.5247, 0.3220, 0.3201



83.8661, 0.3235, 0.3187



92.3079, 0.2992, 0.3271



17.3436, 0.3229, 0.3193



11.3246, 0.5336, 0.2713

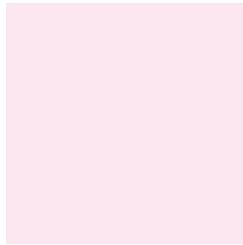


1.0694, 0.5025, 0.2542



# Previews

## White Background



This preview shows how the Yxy color 83.5211, 0.3220, 0.3201 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

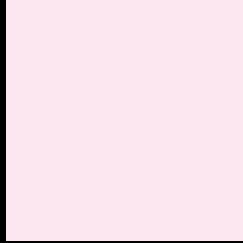
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.5211, 0.3220, 0.3201 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

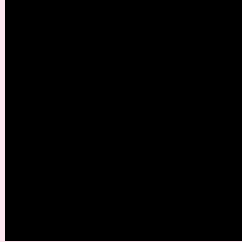
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.5211, 0.3220, 0.3201**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.5211, 0.3220, 0.3201.

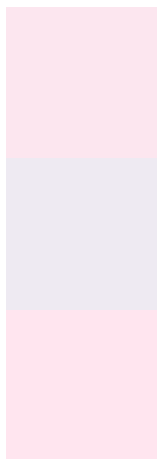


This preview shows how white text looks on a background with the Yxy color 83.5211, 0.3220, 0.3201.

# 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

83.5211, 0.3220, 0.3201

### Protanopia

83.4336, 0.3104, 0.3209

### Deuteranopia

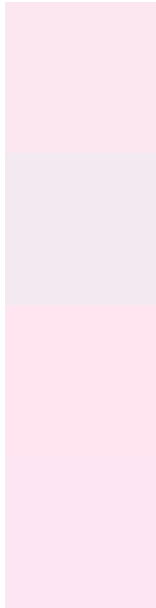
83.5306, 0.3242, 0.3192



## Tritanopia

83.6367, 0.3176, 0.3114

# Trichromacy



## Original Color

83.5211, 0.3220, 0.3201

## Protanomaly

83.6834, 0.3144, 0.3210

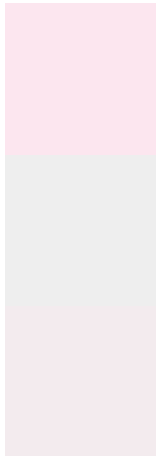
## Deuteranomaly

83.3414, 0.3235, 0.3192

## Tritanomaly

83.4529, 0.3196, 0.3143

# Monochromacy



## Original Color

83.5211, 0.3220, 0.3201

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

84.6444, 0.3162, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.5211, 0.3220, 0.3201 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(252, 230, 239)` looks like.

```
.text, #text, p{  
    color:rgb(252, 230, 239)  
}
```

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(252, 230, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 230, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 83.5211, 0.3220, 0.3201 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(252, 230, 239) }
```

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

```
.border{ border-color:rgb(252, 230, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 230, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 230, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 230, 239);  
box-shadow:4px 4px 4px 4px rgb(252, 230,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.5211, 0.3220, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 230, 239) }
```

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

```
.background{ background-color: rgb(252,  
230, 239) }
```

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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