

# Converting Colors

Yxy(83.5681, 0.3183, 0.3123)

Have a look what the booklet for  
Yxy(83.5681, 0.3183, 0.3123)  
contains.

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# Color

**Yxy(83.5751, 0.3183, 0.3123)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDE5F6
RGB	253, 229, 246
RGB Percent	99%, 90%, 96%
CMY	0.0076, 0.1020, 0.0352
CMYK	0.00, 0.10, 0.03, 0.01
HSL	318°, 86%, 95%
HSV	318°, 10%, 99%
XYZ	85.1808, 83.5751, 98.8557
YIQ	238.1140, 8.8470, 10.3750

# Conversions

## Conversions Part 2

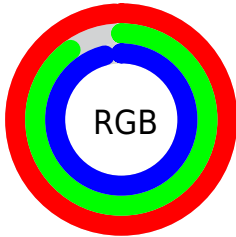
Format	Color
R <sub>Y</sub> B	253, 229, 246
Decimal	16639478
CIE Lab	93.27, 11.09, -5.27
CIE LCh	93, 12.281, 334.573
Yxy	83.5751, 0.3183, 0.3123
Android (android.graphics.Color)	4294829558 (0xFFFDE5F6)
YUV	238.1140, 3.8878, 13.0550
Hunter-Lab	91.4194, 6.3348, -0.1192

# Details

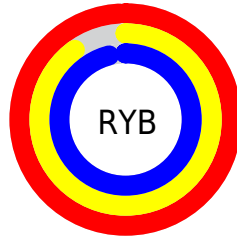
The Yxy color **83.5751, 0.3183, 0.3123** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.9987, 0.3075, 0.3463**, and the grayscale version is **85.5653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7256, 0.3189, 0.3090** is the 20% darker color. If you saturate the color by 10%, you get **70.1373, 0.3252, 0.2940**, and if you desaturate by 10%, it is **99.0792, 0.3125, 0.3298**.

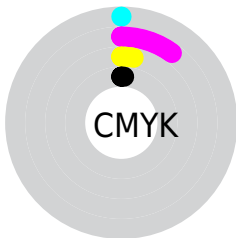
# Distribution



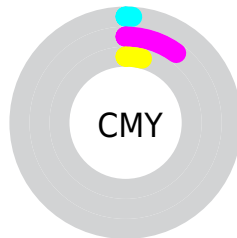
- Red (99%)
- Green (90%)
- Blue (96%)



- Red (99%)
- Yellow (90%)
- Blue (96%)



- Cyan (0%)
- Magenta (10%)
- Yellow (3%)
- Black (1%)




- Cyan (1%)
- Magenta (10%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5751, 0.3183, 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 83.5751, 0.3183, 0.3123 by changing the saturation by 10% instead.



 83.5751, 0.3183,  
0.3123

 83.5751, 0.3183,  
0.3123

506.9012, 0.3158,  
0.3197

 62.6647, 0.3188,  
0.3107


138.3806, 0.3175,  
0.3148

 45.5700, 0.3195,  
0.3087


173.0446, 0.3171,  
0.3158

 31.9066, 0.3203,  
0.3062


213.0618, 0.3168,  
0.3167

 21.2902, 0.3213,  
0.3030

258.8167, 0.3166,  
0.3175

 13.3363, 0.3227,  
0.2989

310.6937, 0.3164,  
0.3181

 7.6605, 0.3246,  
0.2931

369.0772, 0.3162,

 3.8785, 0.3273,

0.3187

0.2846

434.3516, 0.3160,  
0.3193

■ 1.6058, 0.3316,  
0.2709

■ 0.3615, 0.3535,  
0.2080

■ 83.5751, 0.3183,  
0.3123

■ 83.5751, 0.3183,  
0.3123

■ 70.1373, 0.3252,  
0.2940

■ 99.0792, 0.3125,  
0.3298

■ 58.6669, 0.3332,  
0.2754

■ 99.6334, 0.3115,  
0.3290

■ 49.0729, 0.3424,  
0.2571

■ 41.2529, 0.3528,  
0.2398

■ 35.0947, 0.3641,  
0.2248

■ 30.4733, 0.3762,  
0.2130

■ 27.2458, 0.3887,  
0.2055

■ 25.2423, 0.4011,  
0.2030

■ 24.1980, 0.4131,  
0.2051

# Harmonies

## Analogous

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



83.5751, 0.3040, 0.3061



83.5751, 0.3183, 0.3123



83.5751, 0.3313, 0.3227

# Triad

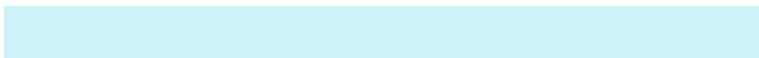
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5751, 0.3183, 0.3123



83.5751, 0.3332, 0.3528



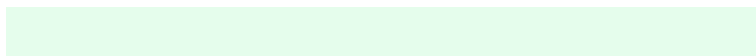
83.5751, 0.2868, 0.3221

# Complementary

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



83.5751, 0.3183, 0.3123



92.9987, 0.3075, 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.



83.5751, 0.2943, 0.3351



83.5751, 0.3183, 0.3123



83.5751, 0.3210, 0.3532

# Square

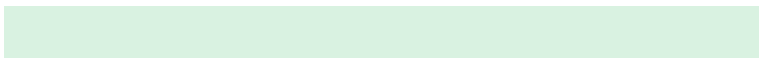
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



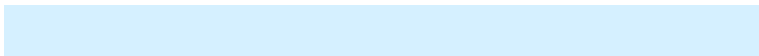
83.5751, 0.3183, 0.3123



83.5751, 0.3400, 0.3460



83.5751, 0.3067, 0.3466



83.5751, 0.2861, 0.3114

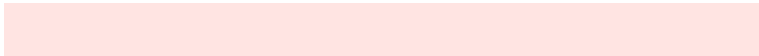


# Rectangle

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



83.5751, 0.3183, 0.3123



83.5751, 0.3374, 0.3309



83.5751, 0.3067, 0.3466



83.5751, 0.2886, 0.3263

# Sweetspot

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



83.5787, 0.3183, 0.3123



95.0728, 0.3144, 0.3238



80.9244, 0.3023, 0.3047



20.0747, 0.3148, 0.3224



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

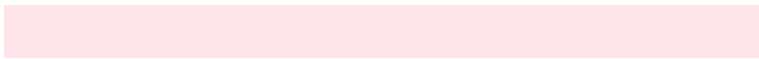
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5787, 0.3183, 0.3123



82.8748, 0.3193, 0.3096



82.8749, 0.3260, 0.3239



18.2047, 0.3183, 0.3123



12.8705, 0.4118, 0.2042



1.2722, 0.3989, 0.1971



# Inverse Universe

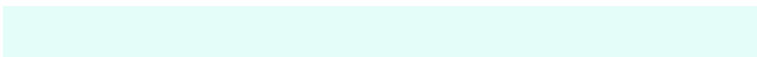
The Inverse Universe completely reimagines the original color for something new.



83.5787, 0.3183, 0.3123



82.8748, 0.3193, 0.3096



93.7095, 0.3009, 0.3342



18.2047, 0.3183, 0.3123



12.8705, 0.4118, 0.2042

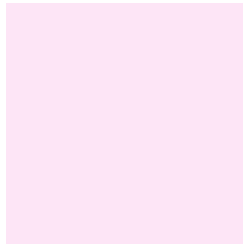


1.2722, 0.3989, 0.1971



# Previews

## White Background



This preview shows how the Yxy color 83.5751, 0.3183, 0.3123 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

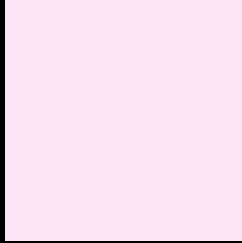
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.5751, 0.3183, 0.3123 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

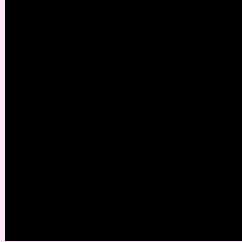
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.5751, 0.3183, 0.3123**

## Background



This preview shows how black text looks on a background with the Yxy color 83.5751, 0.3183, 0.3123.



This preview shows how white text looks on a background with the Yxy color 83.5751, 0.3183, 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

83.5751, 0.3183, 0.3123

### Protanopia

83.5181, 0.3048, 0.3139

### Deuteranopia

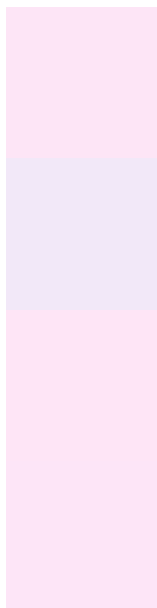
83.7633, 0.3190, 0.3124



## Tritanopia

83.6367, 0.3176, 0.3114

# Trichromacy



## Original Color

83.5751, 0.3183, 0.3123

## Protanomaly

83.3678, 0.3094, 0.3130

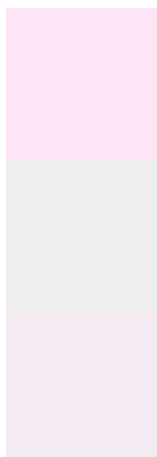
## Deuteranomaly

83.7633, 0.3190, 0.3124

## Tritanomaly

83.6367, 0.3176, 0.3114

# Monochromacy



## Original Color

83.5751, 0.3183, 0.3123

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

84.8222, 0.3143, 0.3230

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.5751, 0.3183, 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(253, 229, 246)` looks like.

```
.text, #text, p{  
    color:rgb(253, 229, 246)  
}
```

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(253, 229, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 229, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 83.5751, 0.3183, 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(253, 229, 246) }
```

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

```
.border{ border-color:rgb(253, 229, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 229, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 229, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 229, 246);  
box-shadow:4px 4px 4px 4px rgb(253, 229,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.5751, 0.3183, 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(253, 229, 246) }
```

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

```
.background{ background-color: rgb(253,  
229, 246) }
```

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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