

# Converting Colors

$Y_{xy}(84.3700, 0.3235, 0.3140)$

Have a look what the booklet for  
Yxy(84.3700, 0.3235, 0.3140)  
contains.

<b>Yxy(83.8303, 0.3209, 0.3144)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(83.8303, 0.3209, 0.3144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE5F4
RGB	255, 229, 244
RGB Percent	100%, 90%, 96%
CMY	0.0003, 0.1018, 0.0432
CMYK	0.00, 0.10, 0.04, 0.00
HSL	325°, 99%, 95%
HSV	325°, 10%, 100%
XYZ	85.5634, 83.8303, 97.2421
YIQ	238.4840, 10.6810, 10.1770

# Conversions

## Conversions Part 2

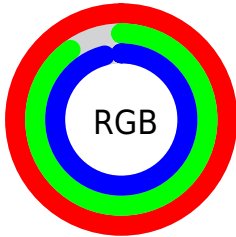
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 229, 244
Decimal	16770548
CIE Lab	93.38, 11.33, -4.02
CIE LCh	93, 12.025, 340.462
Yxy	83.8303, 0.3209, 0.3144
Android (android.graphics.Color)	4294960628 (0xFFFFE5F4)
YUV	238.4840, 2.7194, 14.4845
Hunter-Lab	91.5589, 6.5834, 1.1210

# Details

The Yxy color **83.8303, 0.3209, 0.3144** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.4224, 0.3053, 0.3441**, and the grayscale version is **85.8621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9087, 0.3224, 0.3116** is the 20% darker color. If you saturate the color by 10%, you get **70.1092, 0.3306, 0.2993**, and if you desaturate by 10%, it is **99.6683, 0.3128, 0.3288**.

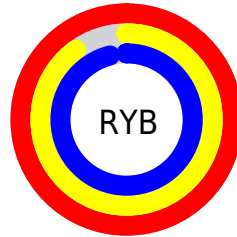
# Distribution



Red (100%)

Green (90%)

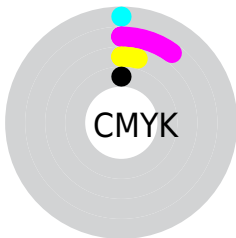
Blue (96%)



Red (100%)

Yellow (90%)

Blue (96%)

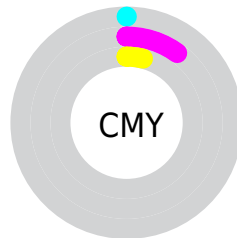


Cyan (0%)

Magenta (10%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.8303, 0.3209, 0.3144 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 83.8303, 0.3209, 0.3144 by changing the saturation by 10% instead.



 83.8303, 0.3209,  
0.3144

 83.8303, 0.3209,  
0.3144


507.7495, 0.3172,  
0.3209

 62.8753, 0.3217,  
0.3130

138.7378, 0.3197,  
0.3166

 45.7404, 0.3227,  
0.3112


173.4591, 0.3192,  
0.3175

 32.0410, 0.3239,  
0.3090


213.5379, 0.3187,  
0.3182

 21.3928, 0.3255,  
0.3063

259.3587, 0.3184,  
0.3189

 13.4114, 0.3275,  
0.3026

311.3059, 0.3180,  
0.3195

 7.7125, 0.3304,  
0.2975

369.7639, 0.3177,

 3.9115, 0.3347,

0.3200

0.2900

435.1169, 0.3175,  
0.3205

■ 1.6242, 0.3416,  
0.2779

■ 0.3738, 0.3731,  
0.2207

■ 83.8303, 0.3209,  
0.3144

■ 83.8303, 0.3209,  
0.3144

■ 70.1092, 0.3306,  
0.2993

99.6683, 0.3128,  
0.3288

■ 58.4036, 0.3421,  
0.2838

99.9847, 0.3127,  
0.3290

■ 48.6198, 0.3556,  
0.2686

■ 40.6528, 0.3711,  
0.2542

■ 34.3870, 0.3886,  
0.2420

■ 29.6936, 0.4077,  
0.2329

■ 26.4251, 0.4277,  
0.2283

■ 24.4056, 0.4477,  
0.2290

■ 23.3569, 0.4669,  
0.2345

# Harmonies

## Analogous

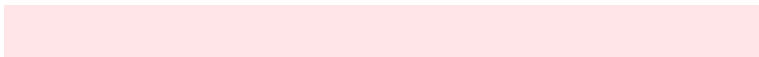
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8303, 0.3069, 0.3074



83.8303, 0.3209, 0.3144



83.8303, 0.3329, 0.3252

# Triad

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



83.8303, 0.3209, 0.3144



83.8303, 0.3308, 0.3529



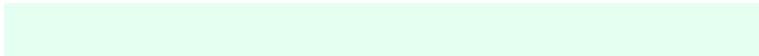
83.8303, 0.2867, 0.3199

# Complementary

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



83.8303, 0.3209, 0.3144



94.4224, 0.3053, 0.3441

# 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.



83.8303, 0.2928, 0.3325



83.8303, 0.3209, 0.3144



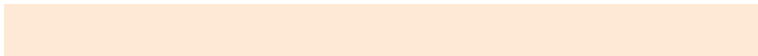
83.8303, 0.3181, 0.3519

# Square

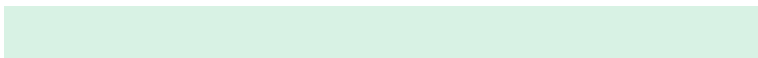
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



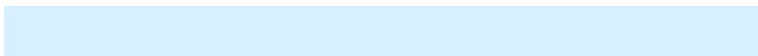
83.8303, 0.3209, 0.3144



83.8303, 0.3386, 0.3473



83.8303, 0.3042, 0.3443



83.8303, 0.2874, 0.3102

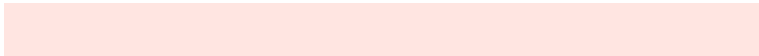


# Rectangle

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



83.8303, 0.3209, 0.3144



83.8303, 0.3381, 0.3332



83.8303, 0.3042, 0.3443



83.8303, 0.2880, 0.3239

# Sweetspot

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



83.8340, 0.3209, 0.3144



95.0093, 0.3150, 0.3248



81.7676, 0.3038, 0.3032



20.0575, 0.3156, 0.3236



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.



83.8340, 0.3209, 0.3144



81.2014, 0.3226, 0.3117



83.0840, 0.3293, 0.3269



18.1629, 0.3203, 0.3154



12.2438, 0.4638, 0.2329



1.2140, 0.4430, 0.2214



# Inverse Universe

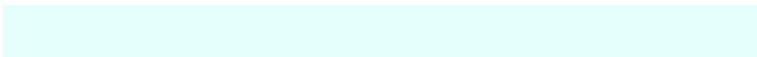
The Inverse Universe completely reimagines the original color for something new.



83.8340, 0.3209, 0.3144



81.2014, 0.3226, 0.3117



95.2093, 0.2982, 0.3311



18.1629, 0.3203, 0.3154



12.2438, 0.4638, 0.2329



1.2140, 0.4430, 0.2214



# Previews

## White Background



This preview shows how the Yxy color 83.8303, 0.3209, 0.3144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

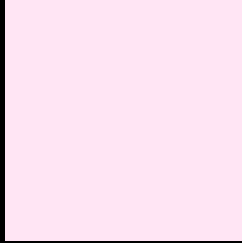
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.8303, 0.3209, 0.3144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

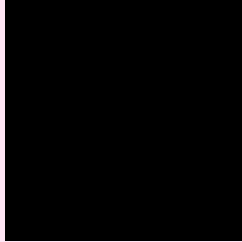
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.8303, 0.3209, 0.3144**

## Background



This preview shows how black text looks on a background with the Yxy color 83.8303, 0.3209, 0.3144.

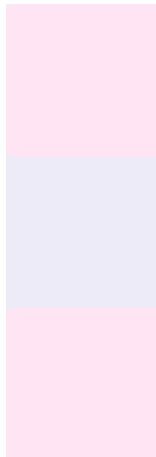


This preview shows how white text looks on a background with the Yxy color 83.8303, 0.3209, 0.3144.

# 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

83.8303, 0.3209, 0.3144

### Protanopia

84.1366, 0.3067, 0.3169

### Deuteranopia

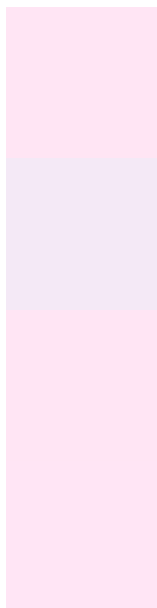
83.8303, 0.3209, 0.3144



## Tritanopia

83.9524, 0.3196, 0.3124

# Trichromacy



## Original Color

83.8303, 0.3209, 0.3144

## Protanomaly

84.1647, 0.3120, 0.3161

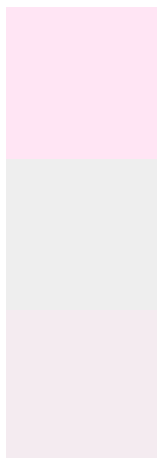
## Deuteranomaly

83.8303, 0.3209, 0.3144

## Tritanomaly

83.8912, 0.3203, 0.3134

# Monochromacy



## Original Color

83.8303, 0.3209, 0.3144

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

84.9410, 0.3156, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.8303, 0.3209, 0.3144 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(255, 229, 244)` looks like.

```
.text, #text, p{  
  color:rgb(255, 229, 244)  
}
```

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(255, 229, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 83.8303, 0.3209, 0.3144 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(255, 229, 244) }
```

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

```
.border{ border-color:rgb(255, 229, 244) }
```

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

Here you see how a box with a 4 pixel rgb(255, 229, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.8303, 0.3209, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 244) }
```

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

```
.background{ background-color: rgb(255,  
229, 244) }
```

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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