

# Converting Colors

$Y_{xy}(83.3777, 0.3291, 0.3270)$

Have a look what the booklet for  
Yxy(83.3777, 0.3291, 0.3270)  
contains.

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# Color

**Yxy(83.1248, 0.3288, 0.3261)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE5E8
RGB	255, 229, 232
RGB Percent	100%, 90%, 91%
CMY	0.0002, 0.1019, 0.0902
CMYK	0.00, 0.10, 0.09, 0.00
HSL	353°, 100%, 95%
HSV	353°, 10%, 100%
XYZ	83.8130, 83.1248, 87.9680
YIQ	237.1160, 14.5330, 6.4450

# Conversions

## Conversions Part 2

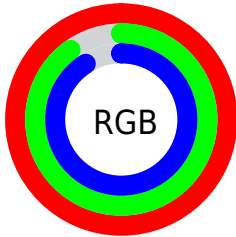
Format	Color
R <sub>Y</sub> B	255, 229, 232
Decimal	16770536
CIE Lab	93.07, 9.34, 1.78
CIE LCh	93, 9.512, 10.764
Yxy	83.1248, 0.3288, 0.3261
Android (android.graphics.Color)	4294960616 (0xFFFFE5E8)
YUV	237.1160, -2.5222, 15.6843
Hunter-Lab	91.1728, 4.5385, 6.6150

# Details

The Yxy color **83.1248, 0.3288, 0.3261** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.1831, 0.2986, 0.3319**, and the grayscale version is **84.7925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4125, 0.3326, 0.3265** is the 20% darker color. If you saturate the color by 10%, you get **68.8371, 0.3485, 0.3231**, and if you desaturate by 10%, it is **99.6565, 0.3130, 0.3290**.

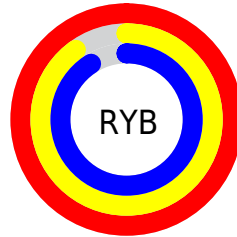
# Distribution



Red (100%)

Green (90%)

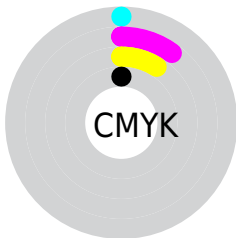
Blue (91%)



Red (100%)

Yellow (90%)

Blue (91%)

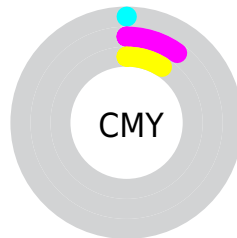


Cyan (0%)

Magenta (10%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1248, 0.3288, 0.3261 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 83.1248, 0.3288, 0.3261 by changing the saturation by 10% instead.




 83.1248, 0.3288,  
0.3261

 83.1248, 0.3288,  
0.3261


505.4024, 0.3215,  
0.3275

 62.2931, 0.3304,  
0.3258


137.7502, 0.3263,  
0.3266

 45.2696, 0.3324,  
0.3254


172.3128, 0.3253,  
0.3268

 31.6698, 0.3349,  
0.3249


212.2211, 0.3245,  
0.3269

 21.1094, 0.3382,  
0.3243

257.8595, 0.3237,  
0.3270

 13.2040, 0.3425,  
0.3234

309.6124, 0.3231,  
0.3272

 7.5692, 0.3486,  
0.3222

367.8643, 0.3225,

 3.8205, 0.3579,

0.3273

0.3202

432.9995, 0.3220,  
0.3274

■ 1.5737, 0.3736,  
0.3168

■ 0.3398, 0.4848,  
0.2989

■ 83.1248, 0.3288,  
0.3261

■ 83.1248, 0.3288,  
0.3261

■ 68.8371, 0.3485,  
0.3231

99.6565, 0.3130,  
0.3290

■ 56.6863, 0.3731,  
0.3199

99.9924, 0.3127,  
0.3290

■ 46.5729, 0.4033,  
0.3169

■ 38.3851, 0.4396,  
0.3143

■ 32.0005, 0.4814,  
0.3127

■ 27.2826, 0.5265,  
0.3126

■ 24.0753, 0.5701,  
0.3146

■ 22.1928, 0.6059,  
0.3188

■ 21.3424, 0.6289,  
0.3238

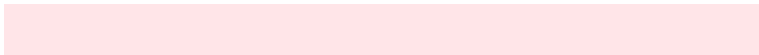
# Harmonies

## Analogous

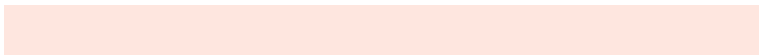
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1248, 0.3193, 0.3174



83.1248, 0.3288, 0.3261



83.1248, 0.3339, 0.3356

# Triad

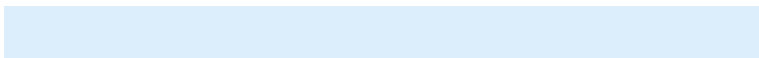
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1248, 0.3288, 0.3261



83.1248, 0.3169, 0.3470



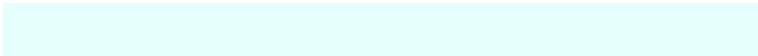
83.1248, 0.2926, 0.3141

# Complementary

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



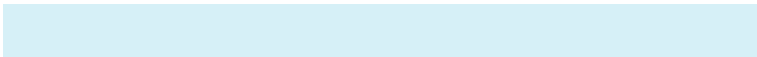
83.1248, 0.3288, 0.3261



95.1831, 0.2986, 0.3319

# 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.



83.1248, 0.2920, 0.3218



83.1248, 0.3288, 0.3261



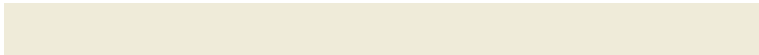
83.1248, 0.3059, 0.3410

# Square

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



83.1248, 0.3288, 0.3261



83.1248, 0.3270, 0.3479



83.1248, 0.2968, 0.3317



83.1248, 0.2985, 0.3105

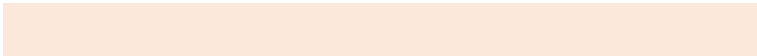


# Rectangle

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



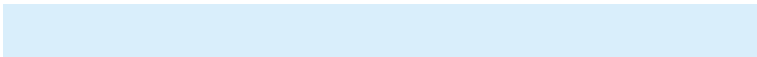
83.1248, 0.3288, 0.3261



83.1248, 0.3341, 0.3413



83.1248, 0.2968, 0.3317



83.1248, 0.2918, 0.3163

# Sweetspot

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



83.1285, 0.3288, 0.3261



94.7873, 0.3171, 0.3282



83.9505, 0.3119, 0.3038



19.9977, 0.3183, 0.3279



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

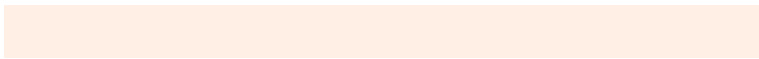
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1285, 0.3288, 0.3261



80.3831, 0.3321, 0.3256



88.6226, 0.3297, 0.3388



18.0210, 0.3276, 0.3263



11.1665, 0.6265, 0.3225



1.0977, 0.6031, 0.3096



# Inverse Universe

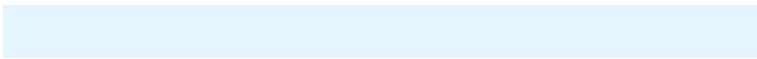
The Inverse Universe completely reimagines the original color for something new.



83.1285, 0.3288, 0.3261



80.3831, 0.3321, 0.3256



89.1936, 0.2969, 0.3190



18.0210, 0.3276, 0.3263



11.1665, 0.6265, 0.3225

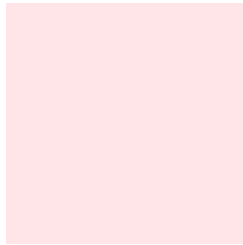


1.0977, 0.6031, 0.3096



# Previews

## White Background



This preview shows how the Yxy color 83.1248, 0.3288, 0.3261 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

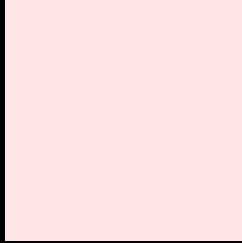
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.1248, 0.3288, 0.3261 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

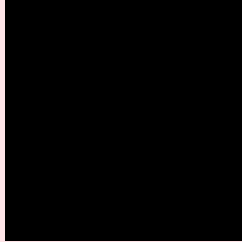
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

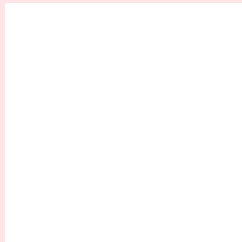
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.1248, 0.3288, 0.3261**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.1248, 0.3288, 0.3261.

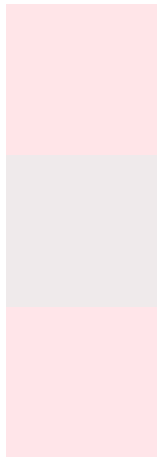


This preview shows how white text looks on a background with the Yxy color 83.1248, 0.3288, 0.3261.

# 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

83.1248, 0.3288, 0.3261

### Protanopia

83.1945, 0.3155, 0.3280

### Deuteranopia

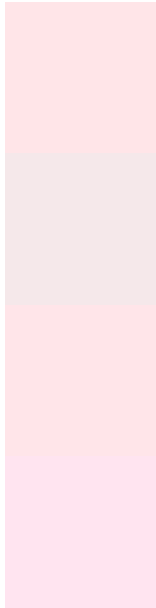
83.1818, 0.3282, 0.3251



## Tritanopia

83.2785, 0.3210, 0.3134

# Trichromacy



## Original Color

83.1248, 0.3288, 0.3261

## Protanomaly

83.0662, 0.3203, 0.3270

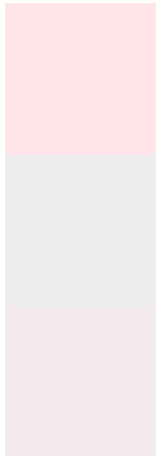
## Deuteranomaly

83.1818, 0.3282, 0.3251

## Tritanomaly

83.0381, 0.3236, 0.3172

# Monochromacy



## Original Color

83.1248, 0.3288, 0.3261

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.0769, 0.3188, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.1248, 0.3288, 0.3261 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 83.1248, 0.3288, 0.3261 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, 232) }
```

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

```
.border{ border-color:rgb(255, 229, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.1248, 0.3288, 0.3261 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, 232) }
```

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

```
.background{ background-color: rgb(255,  
229, 232) }
```

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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