

# Converting Colors

$Y_{xy}(88.6163, 0.3186, 0.3197)$

Have a look what the booklet for  
Yxy(88.6163, 0.3186, 0.3197)  
contains.

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# Color

**Yxy(88.5438, 0.3185, 0.3193)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEDF7
RGB	255, 237, 247
RGB Percent	100%, 93%, 97%
CMY	0.0000, 0.0706, 0.0313
CMYK	0.00, 0.07, 0.03, 0.00
HSL	327°, 100%, 96%
HSV	327°, 7%, 100%
XYZ	88.3220, 88.5438, 100.4402
YIQ	243.5220, 7.5180, 6.9260

# Conversions

## Conversions Part 2

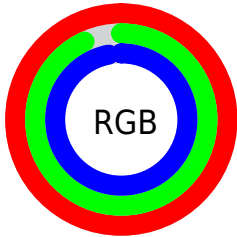
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 237, 247
Decimal	16772599
CIE Lab	95.39, 7.79, -2.64
CIE LCh	95, 8.226, 341.279
Yxy	88.5438, 0.3185, 0.3193
Android (android.graphics.Color)	4294962679 (0xFFFFEDF7)
YUV	243.5220, 1.7147, 10.0662
Hunter-Lab	94.0977, 2.8726, 2.5820

# Details

The Yxy color **88.5438, 0.3185, 0.3193** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **96.1152, 0.3073, 0.3389**, and the grayscale version is **90.0448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.8151, 0.3193, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **74.1338, 0.3280, 0.3049**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

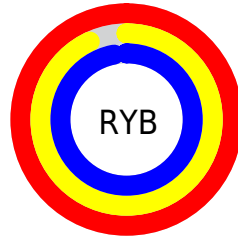
# Distribution



Red (100%)

Green (93%)

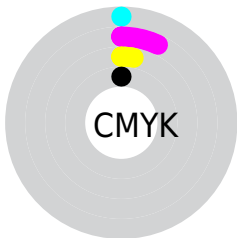
Blue (97%)



Red (100%)

Yellow (93%)

Blue (97%)

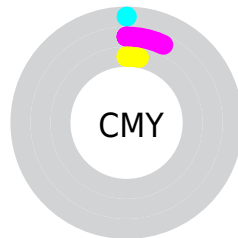


Cyan (0%)

Magenta (7%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.5438, 0.3185, 0.3193 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 88.5438, 0.3185, 0.3193 by changing the saturation by 10% instead.



 88.5438, 0.3185,  
0.3193

 88.5438, 0.3185,  
0.3193

523.2824, 0.3159,  
0.3236

 66.7735, 0.3191,  
0.3184

145.3140, 0.3176,  
0.3208

 48.9006, 0.3197,  
0.3172


181.0827, 0.3173,  
0.3213

 34.5406, 0.3206,  
0.3158


222.2864, 0.3170,  
0.3218

 23.3092, 0.3217,  
0.3140

269.3093, 0.3167,  
0.3223

 14.8220, 0.3231,  
0.3116

322.5360, 0.3165,  
0.3227

 8.6946, 0.3251,  
0.3083

382.3509, 0.3163,

 4.5425, 0.3280,

0.3230

0.3035

449.1382, 0.3161,  
0.3233

■ 1.9814, 0.3326,  
0.2958

■ 0.5966, 0.3461,  
0.2727

■ 88.5438, 0.3185,  
0.3193

■ 88.5438, 0.3185,  
0.3193

■ 74.1338, 0.3280,  
0.3049

100.0000, 0.3127,  
0.3290

■ 61.7787, 0.3395,  
0.2900

■ 51.3816, 0.3530,  
0.2751

■ 42.8397, 0.3687,  
0.2609

■ 36.0407, 0.3866,  
0.2484

■ 30.8602, 0.4064,  
0.2386

■ 27.1569, 0.4275,  
0.2330

■ 24.7652, 0.4489,  
0.2325

■ 23.4732, 0.4698,  
0.2374

# Harmonies

## Analogous

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



88.5438, 0.3091, 0.3144



88.5438, 0.3185, 0.3193



88.5438, 0.3264, 0.3267

# Triad

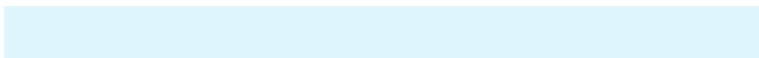
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5438, 0.3185, 0.3193



88.5438, 0.3247, 0.3450



88.5438, 0.2951, 0.3228

# Complementary

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



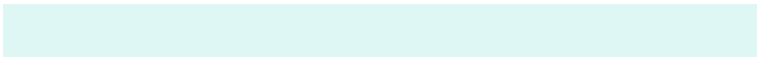
88.5438, 0.3185, 0.3193



96.1152, 0.3073, 0.3389

# 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.



88.5438, 0.2991, 0.3311



88.5438, 0.3185, 0.3193



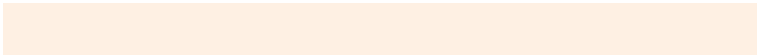
88.5438, 0.3161, 0.3442

# Square

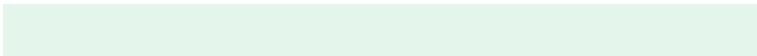
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



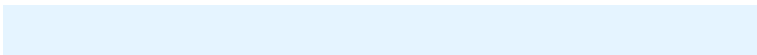
88.5438, 0.3185, 0.3193



88.5438, 0.3300, 0.3415



88.5438, 0.3068, 0.3390



88.5438, 0.2957, 0.3163

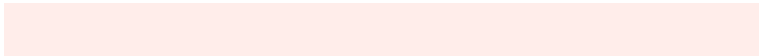


# Rectangle

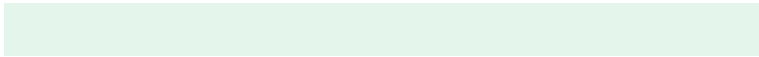
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.5438, 0.3185, 0.3193



88.5438, 0.3298, 0.3322



88.5438, 0.3068, 0.3390



88.5438, 0.2960, 0.3255

# Sweetspot

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



88.5419, 0.3185, 0.3193



96.6442, 0.3143, 0.3263



87.1618, 0.3069, 0.3113



20.7210, 0.3142, 0.3264



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.



88.5419, 0.3185, 0.3193



87.0986, 0.3193, 0.3180



88.0103, 0.3240, 0.3279



18.1563, 0.3207, 0.3159



12.1579, 0.4726, 0.2377



1.2058, 0.4504, 0.2255



# Inverse Universe

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



88.5419, 0.3185, 0.3193



87.0986, 0.3193, 0.3180



96.6667, 0.3024, 0.3301



18.1563, 0.3207, 0.3159



12.1579, 0.4726, 0.2377

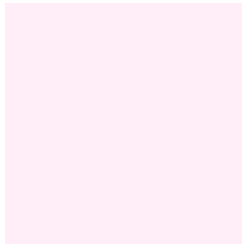


1.2058, 0.4504, 0.2255



# Previews

## White Background



This preview shows how the Yxy color 88.5438, 0.3185, 0.3193 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

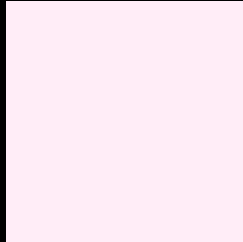
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.5438, 0.3185, 0.3193 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 88.5438, 0.3185, 0.3193**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.5438, 0.3185, 0.3193.

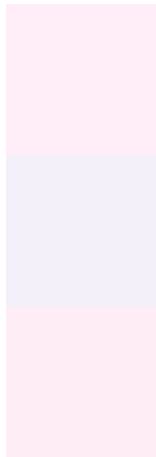


This preview shows how white text looks on a background with the Yxy color 88.5438, 0.3185, 0.3193.

# 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

88.5438, 0.3185, 0.3193

### Protanopia

88.3928, 0.3099, 0.3201

### Deuteranopia

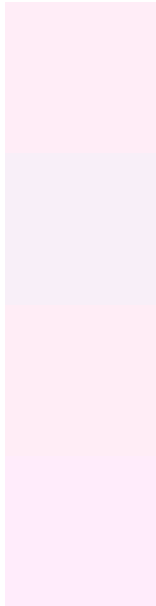
88.4209, 0.3197, 0.3212



## Tritanopia

88.3428, 0.3148, 0.3126

# Trichromacy



## Original Color

88.5438, 0.3185, 0.3193

## Protanomaly

88.4668, 0.3131, 0.3202

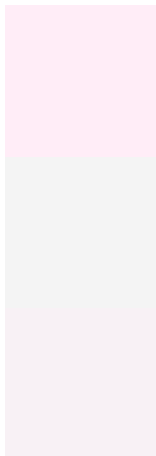
## Deuteranomaly

88.4822, 0.3191, 0.3203

## Tritanomaly

88.2159, 0.3161, 0.3145

# Monochromacy



## Original Color

88.5438, 0.3185, 0.3193

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

89.4596, 0.3149, 0.3251

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.5438, 0.3185, 0.3193 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, 237, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 247)  
}
```

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, 237, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 88.5438, 0.3185, 0.3193 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, 237, 247) }
```

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

```
.border{ border-color:rgb(255, 237, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.5438, 0.3185, 0.3193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 247) }
```

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

```
.background{ background-color: rgb(255,  
237, 247) }
```

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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