

# Converting Colors

$Y_{xy}(88.8813, 0.3115, 0.3190)$

Have a look what the booklet for  
Yxy(88.8813, 0.3115, 0.3190)  
contains.

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# Color

**Yxy(88.9965, 0.3112, 0.3192)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F0FA
RGB	247, 240, 250
RGB Percent	97%, 94%, 98%
CMY	0.0315, 0.0588, 0.0196
CMYK	0.01, 0.04, 0.00, 0.02
HSL	282°, 50%, 96%
HSV	282°, 4%, 98%
XYZ	86.7660, 88.9965, 103.0486
YIQ	243.2330, 0.9620, 4.5940

# Conversions

## Conversions Part 2

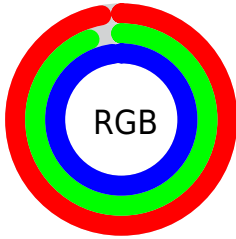
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 240, 250
Decimal	16249082
CIE Lab	95.58, 4.09, -3.98
CIE LCh	96, 5.711, 315.763
Yxy	88.9965, 0.3112, 0.3192
Android (android.graphics.Color)	4294439162 (0xFF7F0FA)
YUV	243.2330, 3.3361, 3.3037
Hunter-Lab	94.3380, -0.9186, 1.2721

# Details

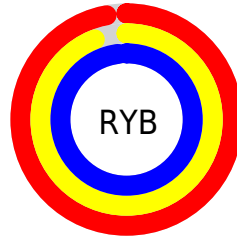
The Yxy color 88.9965, 0.3112, 0.3192 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 93.7277, 0.3142, 0.3389, and the grayscale version is 89.7952, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 49.2524, 0.3108, 0.3165 is the 20% darker color. If you saturate the color by 10%, you get 73.9293, 0.3069, 0.2935, and if you desaturate by 10%, it is 99.5982, 0.3153, 0.3338.

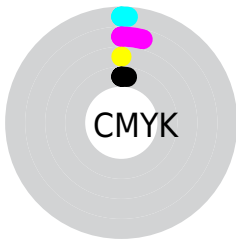
# Distribution



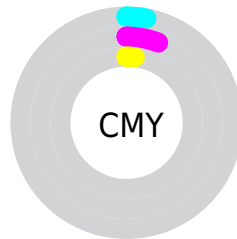
- Red (97%)
- Green (94%)
- Blue (98%)



- Red (97%)
- Yellow (94%)
- Blue (98%)



- Cyan (1%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)




- Cyan (3%)
- Magenta (6%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.9965, 0.3112, 0.3192 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 88.9965, 0.3112, 0.3192 by changing the saturation by 10% instead.




 88.9965, 0.3112,  
0.3192

 88.9965, 0.3112,  
0.3192


524.7611, 0.3119,  
0.3236

 67.1486, 0.3110,  
0.3182

145.9437, 0.3114,  
0.3207

 49.2054, 0.3109,  
0.3171


181.8118, 0.3115,  
0.3213

 34.7825, 0.3106,  
0.3157


223.1222, 0.3116,  
0.3218

 23.4954, 0.3103,  
0.3138

270.2592, 0.3117,  
0.3222

 14.9597, 0.3099,  
0.3114

323.6071, 0.3117,  
0.3226

 8.7911, 0.3093,  
0.3081

383.5505, 0.3118,

 4.6052, 0.3084,

0.3230

0.3032

450.4737, 0.3118,  
0.3233

■ 2.0175, 0.3069,  
0.2955

■ 0.6176, 0.3045,  
0.2738

■ 88.9965, 0.3112,  
0.3192

■ 88.9965, 0.3112,  
0.3192

■ 73.9293, 0.3069,  
0.2935

■ 99.5982, 0.3153,  
0.3338

■ 60.8591, 0.3017,  
0.2666

■ 99.6823, 0.3156,  
0.3338

■ 49.7010, 0.2958,  
0.2389

■ 40.3596, 0.2890,  
0.2115

■ 32.7311, 0.2815,  
0.1854

■ 26.7009, 0.2734,  
0.1618

■ 22.1401, 0.2651,  
0.1419

■ 18.8994, 0.2568,  
0.1266

■ 16.7963, 0.2488,  
0.1162

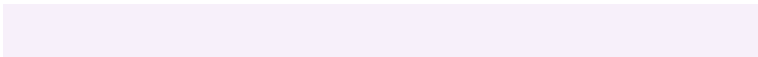
# Harmonies

## Analogous

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



88.9965, 0.3052, 0.3180



88.9965, 0.3112, 0.3192



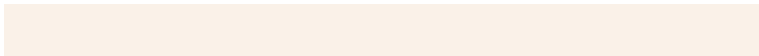
88.9965, 0.3177, 0.3229

# Triad

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



88.9965, 0.3112, 0.3192



88.9965, 0.3243, 0.3383



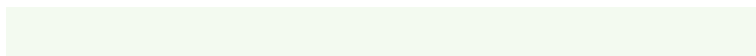
88.9965, 0.3027, 0.3296

# Complementary

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



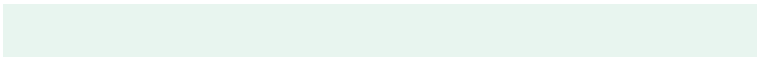
88.9965, 0.3112, 0.3192



93.7277, 0.3142, 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.



88.9965, 0.3077, 0.3352



88.9965, 0.3112, 0.3192



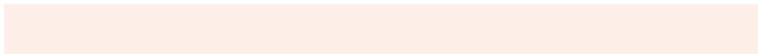
88.9965, 0.3202, 0.3402

# Square

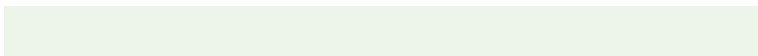
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.9965, 0.3112, 0.3192



88.9965, 0.3253, 0.3339



88.9965, 0.3141, 0.3391



88.9965, 0.3003, 0.3240

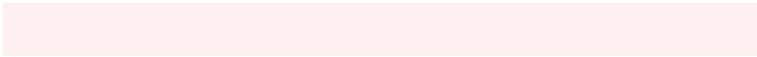


# Rectangle

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



88.9965, 0.3112, 0.3192



88.9965, 0.3214, 0.3264



88.9965, 0.3141, 0.3391



88.9965, 0.3041, 0.3316

# Sweetspot

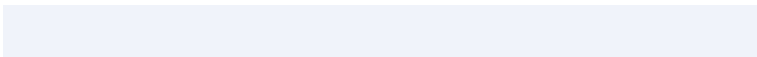
The Sweet Spot groups the original color and five complimentary colors.



89.0003, 0.3112, 0.3192



98.2374, 0.3123, 0.3266



89.6375, 0.3066, 0.3222



21.0454, 0.3124, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

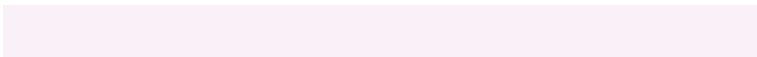
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0003, 0.3112, 0.3192



91.4071, 0.3108, 0.3167



89.4412, 0.3143, 0.3210



18.4949, 0.3105, 0.3149



8.5240, 0.2454, 0.1125



0.8449, 0.2546, 0.1176



# Inverse Universe

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



89.1269, 0.3174, 0.3260



91.5742, 0.3187, 0.3253



93.3024, 0.3112, 0.3371



18.5341, 0.3196, 0.3248



11.0782, 0.5755, 0.2944

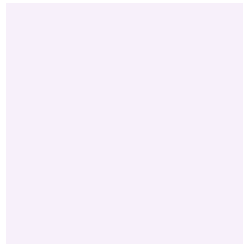


1.0440, 0.5418, 0.2758



# Previews

## White Background



This preview shows how the Yxy color 88.9965, 0.3112, 0.3192 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

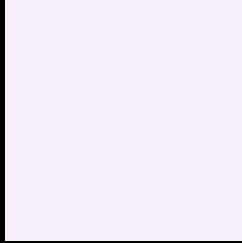
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.9965, 0.3112, 0.3192 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

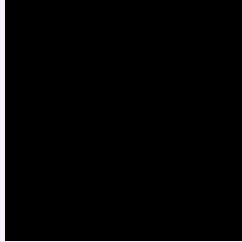
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

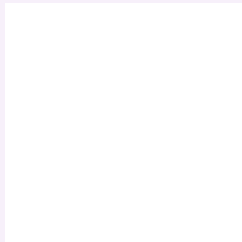
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.9965, 0.3112, 0.3192**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.9965, 0.3112, 0.3192.

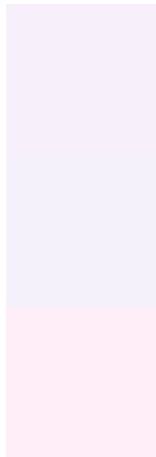


This preview shows how white text looks on a background with the Yxy color 88.9965, 0.3112, 0.3192.

# 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

88.9965, 0.3112, 0.3192

### Protanopia

89.1087, 0.3086, 0.3191

### Deuteranopia

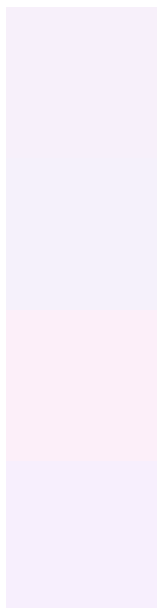
89.1864, 0.3178, 0.3193



## Tritanopia

88.7272, 0.3082, 0.3134

# Trichromacy



## Original Color

88.9965, 0.3112, 0.3192

## Protanomaly

89.2881, 0.3093, 0.3192

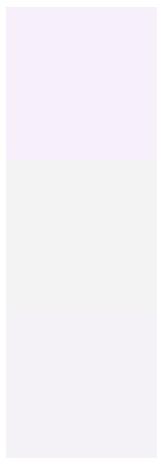
## Deuteranomaly

89.2680, 0.3151, 0.3193

## Tritanomaly

88.5990, 0.3094, 0.3153

# Monochromacy



## Original Color

88.9965, 0.3112, 0.3192

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

89.3912, 0.3116, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  88.9965, 0.3112, 0.3192 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  $rgb(247, 240, 250)$  looks like.

```
.text, #text, p{  
    color:rgb(247, 240, 250)  
}
```

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(247, 240, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 240, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 88.9965, 0.3112, 0.3192 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(247, 240, 250) }
```

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

```
.border{ border-color:rgb(247, 240, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 240, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 240, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 240, 250);  
box-shadow:4px 4px 4px 4px rgb(247, 240,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.9965, 0.3112, 0.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 240, 250) }
```

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

```
.background{ background-color: rgb(247,  
240, 250) }
```

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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