

# Converting Colors

$Y_{xy}(56.8776, 0.3329, 0.2885)$

Have a look what the booklet for  
Yxy(56.8776, 0.3329, 0.2885)  
contains.

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# Color

**Yxy(56.8630, 0.3329, 0.2887)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1B5DB
RGB	241, 181, 219
RGB Percent	95%, 71%, 86%
CMY	0.0551, 0.2901, 0.1412
CMYK	0.00, 0.25, 0.09, 0.06
HSL	322°, 68%, 83%
HSV	322°, 25%, 94%
XYZ	65.5687, 56.8630, 74.5305
YIQ	203.2720, 23.5620, 24.5380

# Conversions

## Conversions Part 2

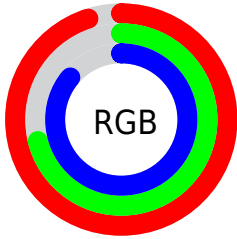
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 181, 219
Decimal	15840731
CIE Lab	80.10, 27.56, -10.57
CIE LCh	80, 29.518, 339.025
Yxy	56.8630, 0.3329, 0.2887
Android (android.graphics.Color)	4294030811 (0xFFFF1B5DB)
YUV	203.2720, 7.7539, 33.0875
Hunter-Lab	75.4076, 23.2469, -5.8151

# Details

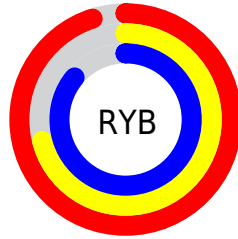
The Yxy color  $56.8630, 0.3329, 0.2887$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $77.0130, 0.2969, 0.3731$ , and the grayscale version is  $59.8396, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $89.0484, 0.3135, 0.3117$ , and  $28.3090, 0.3375, 0.2795$  is the 20% darker color. If you saturate the color by 10%, you get  $47.4450, 0.3436, 0.2719$ , and if you desaturate by 10%, it is  $68.0052, 0.3237, 0.3054$ .

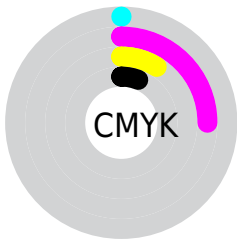
# Distribution



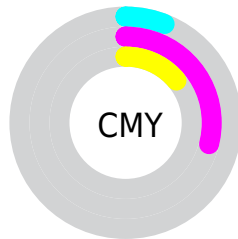
- Red (95%)
- Green (71%)
- Blue (86%)



- Red (95%)
- Yellow (71%)
- Blue (86%)



- Cyan (0%)
- Magenta (25%)
- Yellow (9%)
- Black (6%)




- Cyan (6%)
- Magenta (29%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8630, 0.3329, 0.2887 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 56.8630, 0.3329, 0.2887 by changing the saturation by 10% instead.




 56.8630, 0.3329,  
0.2887

 56.8630, 0.3329,  
0.2887


412.9358, 0.3235,  
0.3075

 40.8953, 0.3351,  
0.2844


 100.2653, 0.3296,  
0.2953

 28.2373, 0.3378,  
0.2790

128.4686, 0.3283,  
0.2978

 18.5046, 0.3412,  
0.2721


161.5192, 0.3272,  
0.3000

 11.3129, 0.3458,  
0.2632

199.8015, 0.3263,  
0.3019

 6.2777, 0.3520,  
0.2508

243.6999, 0.3254,  
0.3036

 3.0147, 0.3611,  
0.2329

293.5989, 0.3247,

 1.1394, 0.3755,

0.3050

0.2047

349.8827, 0.3241,  
0.3063

0.0113, 0.4728,  
0.0078

0.0000, 0.0000,  
0.0000

56.8630, 0.3329,  
0.2887

56.8630, 0.3329,  
0.2887

47.4450, 0.3436,  
0.2719

68.0052, 0.3237,  
0.3054

39.6558, 0.3560,  
0.2557

80.9451, 0.3160,  
0.3215

33.4029, 0.3699,  
0.2410

95.7615, 0.3095,  
0.3367

28.5807, 0.3853,  
0.2290

97.3850, 0.3045,  
0.3297

■ 25.0706, 0.4016,  
0.2207

■ 97.4299, 0.3041,  
0.3290

■ 22.7345, 0.4182,  
0.2172

■ 21.4032, 0.4346,  
0.2189

■ 20.9788, 0.4429,  
0.2213

# Harmonies

## Analogous

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



56.8630, 0.2938, 0.2710



56.8630, 0.3329, 0.2887



56.8630, 0.3682, 0.3159

# Triad

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



56.8630, 0.3329, 0.2887



56.8630, 0.3635, 0.3955



56.8630, 0.2429, 0.3031

# Complementary

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



56.8630, 0.3329, 0.2887



77.0130, 0.2969, 0.3731

# 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.



56.8630, 0.2592, 0.3394



56.8630, 0.3329, 0.2887



56.8630, 0.3280, 0.3961

# Square

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



56.8630, 0.3329, 0.2887



56.8630, 0.3860, 0.3765



56.8630, 0.2899, 0.3750



56.8630, 0.2438, 0.2772



# Rectangle

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



56.8630, 0.3329, 0.2887



56.8630, 0.3837, 0.3367



56.8630, 0.2899, 0.3750



56.8630, 0.2464, 0.3145

# Sweetspot

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



56.8655, 0.3329, 0.2887



88.7212, 0.3176, 0.3181



51.9655, 0.2853, 0.2612



18.7924, 0.3180, 0.3171



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.



56.8655, 0.3329, 0.2887



58.8446, 0.3383, 0.2799



55.4701, 0.3574, 0.3193



15.9274, 0.3194, 0.3141



11.4097, 0.4403, 0.2199



0.9683, 0.4204, 0.2090



# Inverse Universe

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



56.8655, 0.3329, 0.2887



58.8446, 0.3383, 0.2799



78.5256, 0.2809, 0.3390



15.9274, 0.3194, 0.3141



11.4097, 0.4403, 0.2199

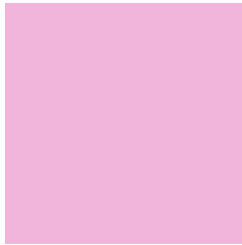


0.9683, 0.4204, 0.2090



# Previews

## White Background



This preview shows how the Yxy color 56.8630, 0.3329, 0.2887 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

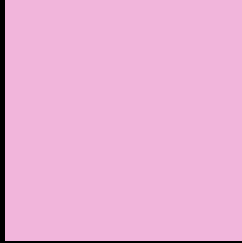
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.8630, 0.3329, 0.2887 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

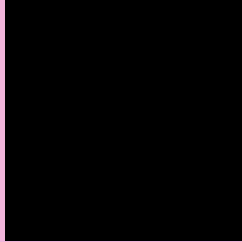
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.8630, 0.3329, 0.2887**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.8630, 0.3329, 0.2887.



This preview shows how white text looks on a background with the Yxy color 56.8630, 0.3329, 0.2887.

# 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

56.8630, 0.3329, 0.2887

### Protanopia

56.9271, 0.2874, 0.2917

### Deuteranopia

56.8513, 0.3085, 0.3015



## Tritanopia

56.9986, 0.3464, 0.3138

# Trichromacy



**Original Color**

56.8630, 0.3329, 0.2887

**Protanomaly**

56.3995, 0.3027, 0.2904

**Deuteranomaly**

56.8293, 0.3167, 0.2966

**Tritanomaly**

57.0879, 0.3416, 0.3053

# Monochromacy



**Original Color**

56.8630, 0.3329, 0.2887

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

58.3854, 0.3198, 0.3131

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.8630, 0.3329, 0.2887 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(241, 181, 219)` looks like.

```
.text, #text, p{  
    color:rgb(241, 181, 219)  
}
```

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(241, 181, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 181, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 56.8630, 0.3329, 0.2887 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(241, 181, 219) }
```

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

```
.border{ border-color:rgb(241, 181, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 181, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 181, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 181, 219);  
box-shadow:4px 4px 4px 4px rgb(241, 181,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.8630, 0.3329, 0.2887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 181, 219) }
```

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

```
.background{ background-color: rgb(241,  
181, 219) }
```

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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