

# Converting Colors

$Y_{xy}(56.7923, 0.3558, 0.2971)$

Have a look what the booklet for  
Yxy(56.7923, 0.3558, 0.2971)  
contains.

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# Color

**Yxy(56.8157, 0.3557, 0.2971)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB0CF
RGB	255, 176, 207
RGB Percent	100%, 69%, 81%
CMY	0.0000, 0.3097, 0.1883
CMYK	0.00, 0.31, 0.19, 0.00
HSL	336°, 100%, 85%
HSV	336°, 31%, 100%
XYZ	68.0220, 56.8157, 66.3965
YIQ	203.1550, 37.1330, 26.3890

# Conversions

## Conversions Part 2

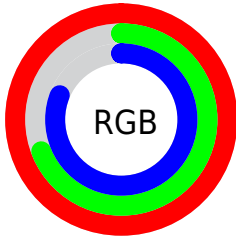
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 176, 207
Decimal	16756943
CIE <sub>Lab</sub>	80.08, 33.12, -3.95
CIE <sub>LCh</sub>	80, 33.355, 353.196
Yxy	56.8157, 0.3557, 0.2971
Android (android.graphics.Color)	4294947023 (0xFFFFB0CF)
YUV	203.1550, 1.8956, 45.4681
Hunter-Lab	75.3762, 29.1761, 0.5366

# Details

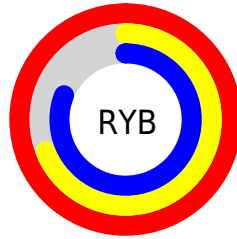
The Yxy color  $56.8157, 0.3557, 0.2971$  is a light color, and the websafe version is hex  $\text{FF99CC}$ . A complement of this color would be  $86.1279, 0.2834, 0.3636$ , and the grayscale version is  $59.7948, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.1932, 0.3138, 0.3068$ , and  $28.0893, 0.3665, 0.2881$  is the 20% darker color. If you saturate the color by 10%, you get  $47.0182, 0.3759, 0.2865$ , and if you desaturate by 10%, it is  $68.5709, 0.3389, 0.3078$ .

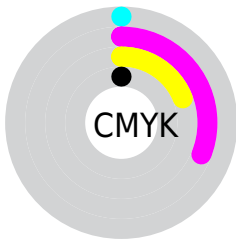
# Distribution



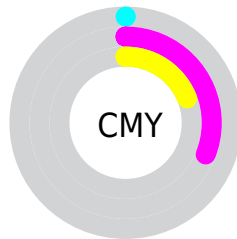
- Red (100%)
- Green (69%)
- Blue (81%)



- Red (100%)
- Yellow (69%)
- Blue (81%)



- Cyan (0%)
- Magenta (31%)
- Yellow (19%)
- Black (0%)




- Cyan (0%)
- Magenta (31%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8157, 0.3557, 0.2971 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 56.8157, 0.3557, 0.2971 by changing the saturation by 10% instead.





 56.8157, 0.3557,  
0.2971

 56.8157, 0.3557,  
0.2971


412.7584, 0.3351,  
0.3122

 40.8573, 0.3606,  
0.2936

 100.1962, 0.3484,  
0.3024

 28.2076, 0.3668,  
0.2891

128.3871, 0.3456,  
0.3045

 18.4822, 0.3747,  
0.2834


161.4243, 0.3432,  
0.3062

 11.2967, 0.3854,  
0.2759

199.6922, 0.3411,  
0.3078

 6.2668, 0.4005,  
0.2653

243.5751, 0.3393,  
0.3091

 3.0080, 0.4234,  
0.2496


293.4575, 0.3377,

 1.1359, 0.4620,


0.3103


0.2240


349.7238, 0.3363,  
0.3113


 0.0084, 0.7354,  
0.0076


 0.0000, 0.0000,  
0.0000


 56.8157, 0.3557,  
0.2971


 56.8157, 0.3557,  
0.2971


 47.0182, 0.3759,  
0.2865

 68.5709, 0.3389,  
0.3078

 39.0630, 0.3998,  
0.2769

 82.3751, 0.3250,  
0.3182

 32.8346, 0.4272,  
0.2691

 98.3233, 0.3137,  
0.3281

 28.2013, 0.4576,  
0.2644

99.9978, 0.3127,  
0.3290

■ 25.0119, 0.4893,  
0.2643

■ 23.0855, 0.5203,  
0.2694

■ 22.1772, 0.5459,  
0.2781

# Harmonies

## Analogous

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



56.8157, 0.3116, 0.2718



56.8157, 0.3557, 0.2971



56.8157, 0.3890, 0.3303

# Triad

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



56.8157, 0.3557, 0.2971



56.8157, 0.3519, 0.4078



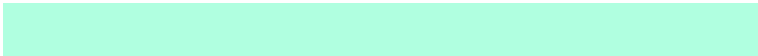
56.8157, 0.2325, 0.2837

# Complementary

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



56.8157, 0.3557, 0.2971



86.1279, 0.2834, 0.3636

# 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.



56.8157, 0.2416, 0.3201



56.8157, 0.3557, 0.2971



56.8157, 0.3090, 0.3970

# Square

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



56.8157, 0.3557, 0.2971



56.8157, 0.3857, 0.3944



56.8157, 0.2689, 0.3633



56.8157, 0.2427, 0.2628



# Rectangle

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



56.8157, 0.3557, 0.2971



56.8157, 0.3992, 0.3539



56.8157, 0.2689, 0.3633



56.8157, 0.2334, 0.2944

# Sweetspot

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



56.8183, 0.3557, 0.2971



85.3551, 0.3226, 0.3202



54.0274, 0.2918, 0.2458



17.7983, 0.3244, 0.3188



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.



56.8183, 0.3557, 0.2971



50.6881, 0.3675, 0.2907



58.6377, 0.3810, 0.3375



18.1050, 0.3232, 0.3197



11.6165, 0.5417, 0.2758



1.1518, 0.5112, 0.2590



# Inverse Universe

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



56.8183, 0.3557, 0.2971



50.6881, 0.3675, 0.2907



83.0285, 0.2671, 0.3203



18.1050, 0.3232, 0.3197



11.6165, 0.5417, 0.2758



1.1518, 0.5112, 0.2590



# Previews

## White Background



This preview shows how the Yxy color 56.8157, 0.3557, 0.2971 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

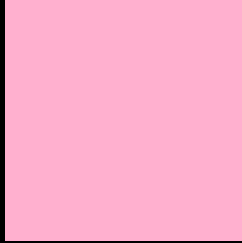
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.8157, 0.3557, 0.2971 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

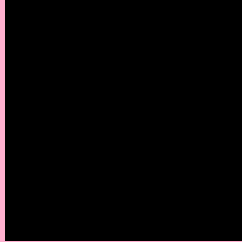
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.8157, 0.3557, 0.2971**

## Background



This preview shows how black text looks on a background with the Yxy color 56.8157, 0.3557, 0.2971.



This preview shows how white text looks on a background with the Yxy color 56.8157, 0.3557, 0.2971.

# 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

56.8157, 0.3557, 0.2971

### Protanopia

57.2912, 0.2957, 0.3031

### Deuteranopia

57.0985, 0.3230, 0.3164



## Tritanopia

56.9286, 0.3666, 0.3155

# Trichromacy



## Original Color

56.8157, 0.3557, 0.2971



## Protanomaly

56.4849, 0.3157, 0.3007



## Deuteranomaly

56.7714, 0.3344, 0.3091



## Tritanomaly

56.9428, 0.3632, 0.3093

# Monochromacy



## Original Color

56.8157, 0.3557, 0.2971



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

58.0292, 0.3279, 0.3166

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.8157, 0.3557, 0.2971 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, 176, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 207)  
}
```

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, 176, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 56.8157, 0.3557, 0.2971 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, 176, 207) }
```

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

```
.border{ border-color:rgb(255, 176, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.8157, 0.3557, 0.2971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 207) }
```

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

```
.background{ background-color: rgb(255,  
176, 207) }
```

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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