

# Converting Colors

$Y_{xy}(57.3079, 0.3442, 0.2897)$

Have a look what the booklet for  
Yxy(57.3079, 0.3442, 0.2897)  
contains.

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# Color

**Yxy(57.3079, 0.3442, 0.2897)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FBB2D8
RGB	251, 178, 216
RGB Percent	98%, 70%, 85%
CMY	0.0158, 0.3019, 0.1530
CMYK	0.00, 0.29, 0.14, 0.02
HSL	329°, 90%, 84%
HSV	329°, 29%, 98%
XYZ	68.0890, 57.3079, 72.4212
YIQ	204.1590, 31.3100, 27.2940

# Conversions

## Conversions Part 2

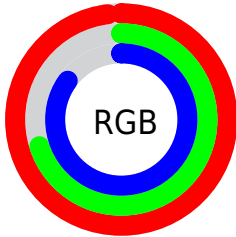
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 178, 216
Decimal	16495320
CIE Lab	80.35, 32.07, -8.46
CIE LCh	80, 33.170, 345.229
Yxy	57.3079, 0.3442, 0.2897
Android (android.graphics.Color)	4294685400 (0xFFFB2D8)
YUV	204.1590, 5.8376, 41.0796
Hunter-Lab	75.7020, 28.0706, -3.7291

# Details

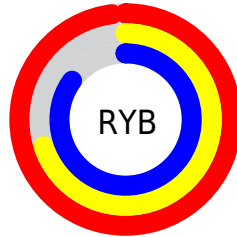
The Yxy color  $57.3079, 0.3442, 0.2897$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $83.2511, 0.2899, 0.3721$ , and the grayscale version is  $60.4376, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.3256, 0.3137, 0.3088$ , and  $28.3260, 0.3519, 0.2797$  is the 20% darker color. If you saturate the color by 10%, you get  $47.6187, 0.3593, 0.2758$ , and if you desaturate by 10%, it is  $68.8750, 0.3314, 0.3037$ .

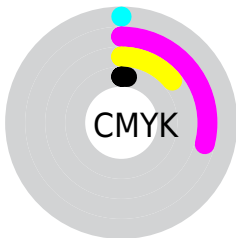
# Distribution



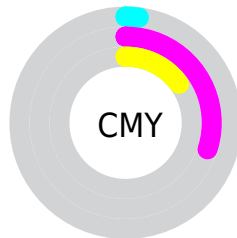
- Red (98%)
- Green (70%)
- Blue (85%)



- Red (98%)
- Yellow (70%)
- Blue (85%)



- Cyan (0%)
- Magenta (29%)
- Yellow (14%)
- Black (2%)




- Cyan (2%)
- Magenta (30%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.3079, 0.3442, 0.2897 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 57.3079, 0.3442, 0.2897 by changing the saturation by 10% instead.




 57.3079, 0.3442,  
0.2897

 57.3079, 0.3442,  
0.2897


414.6020, 0.3293,  
0.3081

 41.2525, 0.3477,  
0.2855


 100.9143, 0.3390,  
0.2961

 28.5164, 0.3520,  
0.2802


129.2341, 0.3370,  
0.2986

 18.7153, 0.3576,  
0.2735


162.4108, 0.3352,  
0.3007

 11.4648, 0.3650,  
0.2647

200.8289, 0.3337,  
0.3026

 6.3803, 0.3754,  
0.2527

244.8726, 0.3324,  
0.3042

 3.0777, 0.3907,  
0.2351


294.9265, 0.3313,

 1.1724, 0.4157,


0.3056


0.2074


351.3748, 0.3302,  
0.3069

 0.0390, 0.5493,  
0.0261


 0.0000, 0.0000,  
0.0000


 57.3079, 0.3442,  
0.2897


 57.3079, 0.3442,  
0.2897


 47.6187, 0.3593,  
0.2758


 68.8750, 0.3314,  
0.3037


 39.6988, 0.3770,  
0.2627

 82.4052, 0.3208,  
0.3173

 33.4406, 0.3970,  
0.2514

 97.9879, 0.3120,  
0.3302

 28.7213, 0.4192,  
0.2431

 99.2445, 0.3102,  
0.3290

■ 25.4011, 0.4427,  
0.2392

■ 23.3140, 0.4664,  
0.2406

■ 22.2128, 0.4891,  
0.2472

■ 22.1315, 0.4912,  
0.2480

# Harmonies

## Analogous

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



57.3079, 0.3001, 0.2676



57.3079, 0.3442, 0.2897



57.3079, 0.3814, 0.3211

# Triad

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



57.3079, 0.3442, 0.2897



57.3079, 0.3618, 0.4057



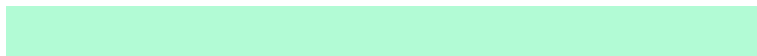
57.3079, 0.2336, 0.2924

# Complementary

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



57.3079, 0.3442, 0.2897



83.2511, 0.2899, 0.3721

# 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.



57.3079, 0.2477, 0.3315



57.3079, 0.3442, 0.2897



57.3079, 0.3205, 0.4018

# Square

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



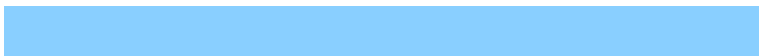
57.3079, 0.3442, 0.2897



57.3079, 0.3911, 0.3873



57.3079, 0.2789, 0.3735



57.3079, 0.2388, 0.2672



# Rectangle

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



57.3079, 0.3442, 0.2897



57.3079, 0.3957, 0.3445



57.3079, 0.2789, 0.3735



57.3079, 0.2362, 0.3043

# Sweetspot

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



57.3105, 0.3442, 0.2897



85.5324, 0.3207, 0.3174



52.8198, 0.2860, 0.2496



17.8419, 0.3222, 0.3154



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.



57.3105, 0.3442, 0.2897



53.2043, 0.3529, 0.2814



55.6677, 0.3754, 0.3266



17.3761, 0.3212, 0.3167



11.6656, 0.4876, 0.2460



1.1019, 0.4622, 0.2320



# Inverse Universe

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



57.3105, 0.3442, 0.2897



53.2043, 0.3529, 0.2814



85.2570, 0.2717, 0.3315



17.3761, 0.3212, 0.3167



11.6656, 0.4876, 0.2460



1.1019, 0.4622, 0.2320



# Previews

## White Background



This preview shows how the Yxy color 57.3079, 0.3442, 0.2897 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

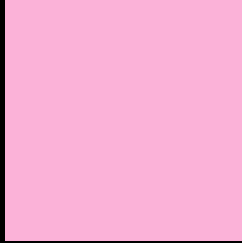
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.3079, 0.3442, 0.2897 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

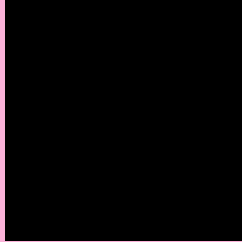
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.3079, 0.3442, 0.2897**

## Background



This preview shows how black text looks on a background with the Yxy color 57.3079, 0.3442, 0.2897.



This preview shows how white text looks on a background with the Yxy color 57.3079, 0.3442, 0.2897.

# 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

57.3079, 0.3442, 0.2897

### Protanopia

57.6474, 0.2889, 0.2930

### Deuteranopia

57.5338, 0.3137, 0.3073



## Tritanopia

57.5812, 0.3589, 0.3143

# Trichromacy



## Original Color

57.3079, 0.3442, 0.2897



## Protanomaly

57.0905, 0.3074, 0.2919



## Deuteranomaly

57.1524, 0.3247, 0.3003



## Tritanomaly

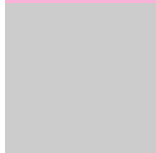
57.6835, 0.3539, 0.3060

# Monochromacy



## Original Color

57.3079, 0.3442, 0.2897



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

58.9564, 0.3238, 0.3144

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.3079, 0.3442, 0.2897 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(251, 178, 216)` looks like.

```
.text, #text, p{  
    color:rgb(251, 178, 216)  
}
```

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(251, 178, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 178, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 57.3079, 0.3442, 0.2897 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(251, 178, 216) }
```

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

```
.border{ border-color:rgb(251, 178, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 178, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 178, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 178, 216);  
box-shadow:4px 4px 4px 4px rgb(251, 178,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.3079, 0.3442, 0.2897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 178, 216) }
```

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

```
.background{ background-color: rgb(251,  
178, 216) }
```

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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