

# Converting Colors

$Y_{xy}(79.8110, 0.4201, 0.2955)$

Have a look what the booklet for  
Yxy(79.8110, 0.4201, 0.2955)  
contains.

<b>Yxy(57.0873, 0.3446, 0.2831)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(57.0873, 0.3446, 0.2831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAFDC
RGB	255, 175, 220
RGB Percent	100%, 69%, 86%
CMY	0.0000, 0.3137, 0.1372
CMYK	0.00, 0.31, 0.14, 0.00
HSL	326°, 100%, 84%
HSV	326°, 31%, 100%
XYZ	69.4888, 57.0873, 75.0745
YIQ	204.0500, 33.2350, 30.9550

# Conversions

## Conversions Part 2

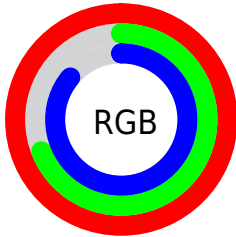
Format	Color
R <sub>Y</sub> B	255, 175, 220
Decimal	16756700
CIE Lab	80.23, 35.65, -10.78
CIE LCh	80, 37.246, 343.182
Yxy	57.0873, 0.3446, 0.2831
Android (android.graphics.Color)	4294946780 (0xFFFFAFDC)
YUV	204.0500, 7.8634, 44.6832
Hunter-Lab	75.5561, 31.9428, -6.0228

# Details

The Yxy color  $57.0873, 0.3446, 0.2831$  is a light color, and the websafe version is hex  $\text{FF99CC}$ . A complement of this color would be  $85.2864, 0.2900, 0.3801$ , and the grayscale version is  $60.3524, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $85.6318, 0.3138, 0.3058$ , and  $28.2617, 0.3523, 0.2717$  is the 20% darker color. If you saturate the color by 10%, you get  $47.5116, 0.3588, 0.2682$ , and if you desaturate by 10%, it is  $68.5818, 0.3325, 0.2982$ .

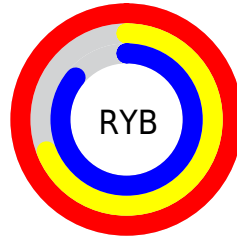
# Distribution



Red (100%)

Green (69%)

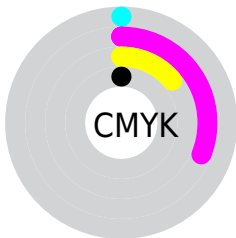
Blue (86%)



Red (100%)

Yellow (69%)

Blue (86%)

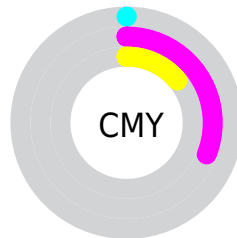


Cyan (0%)

Magenta (31%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.0873, 0.3446, 0.2831 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 57.0873, 0.3446, 0.2831 by changing the saturation by 10% instead.





 57.0873, 0.3446,  
0.2831

 57.0873, 0.3446,  
0.2831


413.7764, 0.3296,  
0.3044

 41.0753, 0.3481,  
0.2782


 100.5926, 0.3394,  
0.2905

 28.3780, 0.3524,  
0.2722


128.8546, 0.3373,  
0.2934

 18.6108, 0.3579,  
0.2645


161.9689, 0.3356,  
0.2959

 11.3894, 0.3652,  
0.2546

200.3197, 0.3341,  
0.2980

 6.3294, 0.3752,  
0.2409

244.2914, 0.3328,  
0.2999

 3.0464, 0.3900,  
0.2214


294.2685, 0.3316,

 1.1560, 0.4135,

0.3016

0.1912


350.6354, 0.3306,  
0.3031


 0.0253, 0.5262,  
0.0149

 0.0000, 0.0000,  
0.0000


 57.0873, 0.3446,  
0.2831


 57.0873, 0.3446,  
0.2831


 47.5116, 0.3588,  
0.2682


 68.5818, 0.3325,  
0.2982

 39.7403, 0.3753,  
0.2545

 82.0854, 0.3223,  
0.3130

 33.6589, 0.3937,  
0.2428

 97.6922, 0.3138,  
0.3271

 29.1366, 0.4138,  
0.2346

99.9997, 0.3127,  
0.3290

■ 26.0228, 0.4348,  
0.2309

■ 24.1369, 0.4557,  
0.2326

■ 23.2572, 0.4731,  
0.2380

# Harmonies

## Analogous

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



57.0873, 0.2950, 0.2596



57.0873, 0.3446, 0.2831



57.0873, 0.3877, 0.3172

# Triad

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



57.0873, 0.3446, 0.2831



57.0873, 0.3702, 0.4145



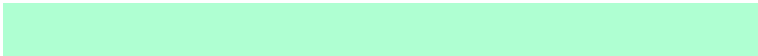
57.0873, 0.2250, 0.2901

# Complementary

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



57.0873, 0.3446, 0.2831



85.2864, 0.2900, 0.3801

# 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.



57.0873, 0.2418, 0.3348



57.0873, 0.3446, 0.2831



57.0873, 0.3244, 0.4128

# Square

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



57.0873, 0.3446, 0.2831



57.0873, 0.4020, 0.3916



57.0873, 0.2775, 0.3823



57.0873, 0.2293, 0.2610



# Rectangle

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



57.0873, 0.3446, 0.2831



57.0873, 0.4051, 0.3429



57.0873, 0.2775, 0.3823



57.0873, 0.2283, 0.3036

# Sweetspot

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



57.0899, 0.3446, 0.2831



85.5917, 0.3201, 0.3164



51.5353, 0.2813, 0.2422



17.8565, 0.3214, 0.3143



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.



57.0899, 0.3446, 0.2831



50.5326, 0.3538, 0.2732



55.2311, 0.3799, 0.3236



18.1583, 0.3206, 0.3157



12.1831, 0.4699, 0.2362



1.2082, 0.4482, 0.2243



# Inverse Universe

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



57.0899, 0.3446, 0.2831



50.5326, 0.3538, 0.2732



87.5149, 0.2702, 0.3347



18.1583, 0.3206, 0.3157



12.1831, 0.4699, 0.2362



1.2082, 0.4482, 0.2243



# Previews

## White Background



This preview shows how the Yxy color 57.0873, 0.3446, 0.2831 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

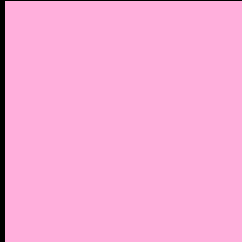
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.0873, 0.3446, 0.2831 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 57.0873, 0.3446, 0.2831**

## Background



This preview shows how black text looks on a background with the Yxy color 57.0873, 0.3446, 0.2831.



This preview shows how white text looks on a background with the Yxy color 57.0873, 0.3446, 0.2831.

# 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

57.0873, 0.3446, 0.2831

### Protanopia

57.5928, 0.2829, 0.2862

### Deuteranopia

57.4422, 0.3092, 0.3027



## Tritanopia

57.1882, 0.3646, 0.3155

# Trichromacy



## Original Color

57.0873, 0.3446, 0.2831



## Protanomaly

56.9872, 0.3030, 0.2844



## Deuteranomaly

56.9335, 0.3216, 0.2949



## Tritanomaly

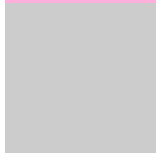
57.0352, 0.3571, 0.3030

# Monochromacy



## Original Color

57.0873, 0.3446, 0.2831



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

58.4810, 0.3241, 0.3100

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.0873, 0.3446, 0.2831 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, 175, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 220)  
}
```

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, 175, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 57.0873, 0.3446, 0.2831 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, 175, 220) }
```

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

```
.border{ border-color:rgb(255, 175, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 175, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 175, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 175, 220); box-shadow:4px 4px 4px 4px rgb(255, 175, 220) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.0873, 0.3446, 0.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 220) }
```

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

```
.background{ background-color: rgb(255,  
175, 220) }
```

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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