

# Converting Colors

$Yxy(37.8216, 0.3332, 0.2882)$

Have a look what the booklet for  
Yxy(37.8216, 0.3332, 0.2882)  
contains.

<b>Yxy(37.7881, 0.3335, 0.2876)</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(37.7881, 0.3335, 0.2876)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA96B7
RGB	202, 150, 183
RGB Percent	79%, 59%, 72%
CMY	0.2077, 0.4118, 0.2823
CMYK	0.00, 0.26, 0.09, 0.21
HSL	322°, 33%, 69%
HSV	322°, 26%, 79%
XYZ	43.8190, 37.7881, 49.7841
YIQ	169.3100, 20.3990, 21.2870

# Conversions

## Conversions Part 2

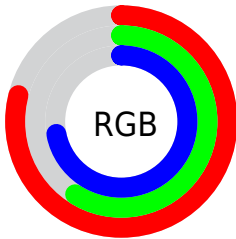
Format	Color
R <sub>Y</sub> B	202, 150, 183
Decimal	13276855
CIE Lab	67.86, 24.77, -9.48
CIE LCh	68, 26.528, 339.052
Yxy	37.7881, 0.3335, 0.2876
Android (android.graphics.Color)	4291466935 (0xFFCA96B7)
YUV	169.3100, 6.7492, 28.6691
Hunter-Lab	61.4720, 19.6637, -4.9865

# Details

The Yxy color  $37.7881, 0.3335, 0.2876$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $51.6092, 0.2965, 0.3744$ , and the grayscale version is  $39.7978, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $71.1546, 0.3263, 0.2952$ , and  $16.7384, 0.3391, 0.2765$  is the 20% darker color. If you saturate the color by 10%, you get  $31.5891, 0.3442, 0.2710$ , and if you desaturate by 10%, it is  $45.1183, 0.3243, 0.3041$ .

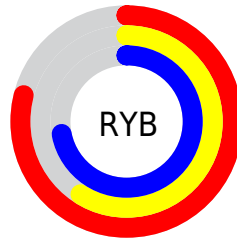
# Distribution



Red (79%)

Green (59%)

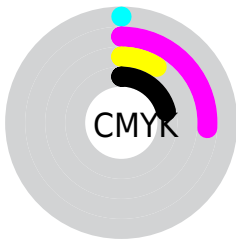
Blue (72%)



Red (79%)

Yellow (59%)

Blue (72%)

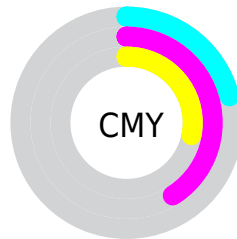


Cyan (0%)

Magenta (26%)

Yellow (9%)

Black (21%)



Cyan (21%)

Magenta (41%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7881, 0.3335, 0.2876 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 37.7881, 0.3335, 0.2876 by changing the saturation by 10% instead.




 37.7881, 0.3335,  
0.2876


 37.7881, 0.3335,  
0.2876


336.7101, 0.3231,  
0.3083

 25.8183, 0.3361,  
0.2824


 71.7832, 0.3297,  
0.2951

 16.6877, 0.3395,  
0.2758


 94.5773, 0.3283,  
0.2980

 10.0121, 0.3439,  
0.2669


121.7483, 0.3271,  
0.3003

 5.4070, 0.3502,  
0.2546

153.6805, 0.3261,  
0.3024

 2.4880, 0.3595,  
0.2363

190.7584, 0.3252,  
0.3042

 0.8706, 0.3748,  
0.2064

233.3664, 0.3244,


 0.0000, 0.4837,


0.3057


0.0000


281.8888, 0.3237,  
0.3071


 0.0000, 0.0000,  
0.0000

 37.7881, 0.3335,  
0.2876


 37.7881, 0.3335,  
0.2876


 31.5891, 0.3442,  
0.2710


 45.1183, 0.3243,  
0.3041

 26.4589, 0.3565,  
0.2550


 53.6279, 0.3166,  
0.3201

 22.3368, 0.3703,  
0.2405

 63.3682, 0.3101,  
0.3353

 19.1541, 0.3855,  
0.2287

 74.3862, 0.3047,  
0.3495

 16.8330, 0.4016,  
0.2205

 86.7264, 0.3002,  
0.3627

■ 15.2836, 0.4181,  
0.2171

■ 89.6474, 0.2962,  
0.3586

■ 14.3942, 0.4342,  
0.2187

■ 90.0652, 0.2922,  
0.3505

■ 14.1246, 0.4411,  
0.2203

■ 90.5007, 0.2883,  
0.3425

■ 90.9541, 0.2844,  
0.3347

# Harmonies

## Analogous

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



37.7881, 0.2932, 0.2694



37.7881, 0.3335, 0.2876



37.7881, 0.3699, 0.3155

# Triad

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



37.7881, 0.3335, 0.2876



37.7881, 0.3649, 0.3975



37.7881, 0.2409, 0.3022

# Complementary

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



37.7881, 0.3335, 0.2876



51.6092, 0.2965, 0.3744

# 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.



37.7881, 0.2576, 0.3396



37.7881, 0.3335, 0.2876



37.7881, 0.3284, 0.3982

# Square

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



37.7881, 0.3335, 0.2876



37.7881, 0.3881, 0.3778



37.7881, 0.2892, 0.3764



37.7881, 0.2419, 0.2757



# Rectangle

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



37.7881, 0.3335, 0.2876



37.7881, 0.3859, 0.3369



37.7881, 0.2892, 0.3764



37.7881, 0.2445, 0.3139

# Sweetspot

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



37.7898, 0.3335, 0.2876



87.1965, 0.3183, 0.3165



34.4222, 0.2845, 0.2593



18.1810, 0.3194, 0.3140



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.



37.7898, 0.3335, 0.2876



57.7867, 0.3394, 0.2782



36.8324, 0.3589, 0.3191



11.3314, 0.3193, 0.3144



9.1024, 0.4390, 0.2192



0.4839, 0.4101, 0.2033



# Inverse Universe

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



37.7898, 0.3335, 0.2876



57.7867, 0.3394, 0.2782



52.6491, 0.2801, 0.3393



11.3314, 0.3193, 0.3144



9.1024, 0.4390, 0.2192



0.4839, 0.4101, 0.2033



# Previews

## White Background



This preview shows how the Yxy color 37.7881, 0.3335, 0.2876 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

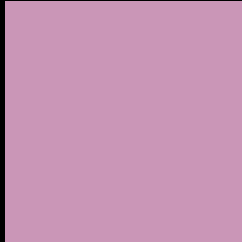
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.7881, 0.3335, 0.2876 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

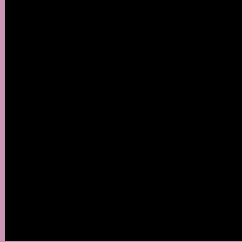
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.7881, 0.3335, 0.2876**

## Background



This preview shows how black text looks on a background with the Yxy color 37.7881, 0.3335, 0.2876.



This preview shows how white text looks on a background with the Yxy color 37.7881, 0.3335, 0.2876.

# 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

37.7881, 0.3335, 0.2876

### Protanopia

37.9338, 0.2870, 0.2904

### Deuteranopia

37.9399, 0.3084, 0.3018



## Tritanopia

37.7784, 0.3487, 0.3136

# Trichromacy



## Original Color

37.7881, 0.3335, 0.2876

## Protanomaly

37.7005, 0.3025, 0.2888

## Deuteranomaly

37.8056, 0.3171, 0.2960

## Tritanomaly

37.8525, 0.3429, 0.3036

# Monochromacy



## Original Color

37.7881, 0.3335, 0.2876

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

38.7204, 0.3201, 0.3128

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.7881, 0.3335, 0.2876 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(202, 150, 183)` looks like.

```
.text, #text, p{  
    color:rgb(202, 150, 183)  
}
```

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(202, 150, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 150, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 37.7881, 0.3335, 0.2876 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(202, 150, 183) }
```

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

```
.border{ border-color:rgb(202, 150, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 150, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 150, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 150, 183);  
box-shadow:4px 4px 4px 4px rgb(202, 150,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.7881, 0.3335, 0.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 150, 183) }
```

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

```
.background{ background-color: rgb(202,  
150, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor