

# Converting Colors

$Y_{xy}(41.9889, 0.3295, 0.2961)$

Have a look what the booklet for  
Yxy(41.9889, 0.3295, 0.2961)  
contains.

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# Color

**Yxy(41.9579, 0.3293, 0.2957)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCA1BC
RGB	204, 161, 188
RGB Percent	80%, 63%, 74%
CMY	0.2000, 0.3686, 0.2628
CMYK	0.00, 0.21, 0.08, 0.20
HSL	322°, 30%, 72%
HSV	322°, 21%, 80%
XYZ	46.7255, 41.9579, 53.2101
YIQ	176.9350, 16.9610, 17.5130

# Conversions

## Conversions Part 2

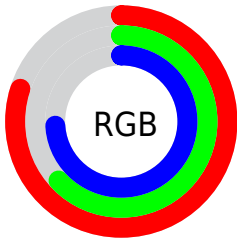
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 161, 188
Decimal	13410748
CIE <sub>Lab</sub>	70.84, 20.30, -7.81
CIE <sub>LCh</sub>	71, 21.748, 338.963
Yxy	41.9579, 0.3293, 0.2957
Android (android.graphics.Color)	4291600828 (0xFFCCA1BC)
YUV	176.9350, 5.4550, 23.7360
Hunter-Lab	64.7749, 15.4052, -3.3620

# Details

The Yxy color  $41.9579, 0.3293, 0.2957$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $53.9434, 0.2991, 0.3648$ , and the grayscale version is  $43.8959, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.9034, 0.3219, 0.3014$ , and  $19.0761, 0.3332, 0.2858$  is the 20% darker color. If you saturate the color by 10%, you get  $35.0825, 0.3394, 0.2792$ , and if you desaturate by 10%, it is  $50.0175, 0.3207, 0.3119$ .

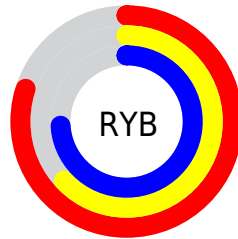
# Distribution



Red (80%)

Green (63%)

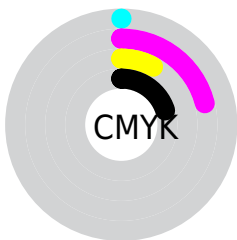
Blue (74%)



Red (80%)

Yellow (63%)

Blue (74%)

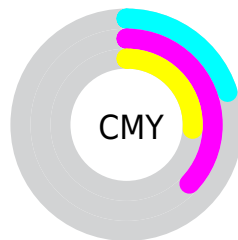


Cyan (0%)

Magenta (21%)

Yellow (8%)

Black (20%)



Cyan (20%)

Magenta (37%)


Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9579, 0.3293, 0.2957 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 41.9579, 0.3293, 0.2957 by changing the saturation by 10% instead.





 41.9579, 0.3293,  
0.2957


 41.9579, 0.3293,  
0.2957


354.3084, 0.3211,  
0.3122

 29.0683, 0.3313,  
0.2916


 78.1359, 0.3263,  
0.3017

 19.1325, 0.3339,  
0.2864


 102.1931, 0.3252,  
0.3039

 11.7661, 0.3374,  
0.2796


130.7417, 0.3243,  
0.3058

 6.5846, 0.3421,  
0.2701

164.1660, 0.3234,  
0.3075

 3.2037, 0.3492,  
0.2561

202.8504, 0.3227,  
0.3089

 1.2390, 0.3605,  
0.2336

247.1793, 0.3221,

 0.0932, 0.4410,

0.3101

0.0704

297.5372, 0.3216,  
0.3112

0.0000, 0.0000,  
0.0000

41.9579, 0.3293,  
0.2957

41.9579, 0.3293,  
0.2957

35.0825, 0.3394,  
0.2792

50.0175, 0.3207,  
0.3119

29.3293, 0.3512,  
0.2630

59.3087, 0.3134,  
0.3274

24.6387, 0.3646,  
0.2478

69.8827, 0.3074,  
0.3420

20.9435, 0.3795,  
0.2347

81.7864, 0.3023,  
0.3555

18.1689, 0.3956,  
0.2248

89.8489, 0.2980,  
0.3600

■ 16.2290, 0.4124,  
0.2192

■ 90.2752, 0.2939,  
0.3517

■ 15.0221, 0.4291,  
0.2186

■ 90.7202, 0.2899,  
0.3435

■ 14.3987, 0.4438,  
0.2219

■ 91.1842, 0.2859,  
0.3354

■ 91.5790, 0.2827,  
0.3289

# Harmonies

## Analogous

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



41.9579, 0.2974, 0.2809



41.9579, 0.3293, 0.2957



41.9579, 0.3578, 0.3184

# Triad

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



41.9579, 0.3293, 0.2957



41.9579, 0.3545, 0.3833



41.9579, 0.2552, 0.3084

# Complementary

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



41.9579, 0.3293, 0.2957



53.9434, 0.2991, 0.3648

# 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.



41.9579, 0.2689, 0.3378



41.9579, 0.3293, 0.2957



41.9579, 0.3257, 0.3831

# Square

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



41.9579, 0.3293, 0.2957



41.9579, 0.3725, 0.3684



41.9579, 0.2944, 0.3661



41.9579, 0.2559, 0.2868



# Rectangle

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



41.9579, 0.3293, 0.2957



41.9579, 0.3704, 0.3358



41.9579, 0.2944, 0.3661



41.9579, 0.2582, 0.3177

# Sweetspot

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



41.9598, 0.3293, 0.2957



90.2621, 0.3169, 0.3197



39.1706, 0.2910, 0.2732



19.1029, 0.3174, 0.3187



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.



41.9598, 0.3293, 0.2957



64.4151, 0.3334, 0.2887



41.1094, 0.3492, 0.3219



11.3301, 0.3194, 0.3146



9.0801, 0.4416, 0.2206



0.4828, 0.4120, 0.2043



# Inverse Universe

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



41.9598, 0.3293, 0.2957



64.4151, 0.3334, 0.2887



54.8585, 0.2852, 0.3363



11.3301, 0.3194, 0.3146



9.0801, 0.4416, 0.2206

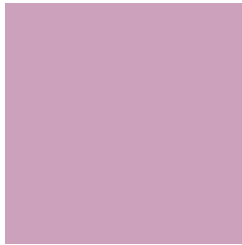


0.4828, 0.4120, 0.2043



# Previews

## White Background



This preview shows how the Yxy color 41.9579, 0.3293, 0.2957 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

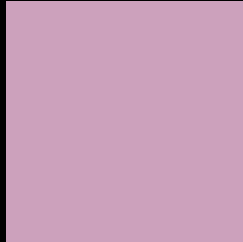
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.9579, 0.3293, 0.2957 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

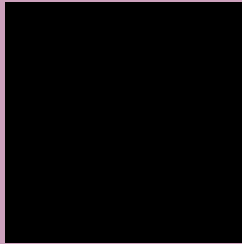
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.9579, 0.3293, 0.2957**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.9579, 0.3293, 0.2957.



This preview shows how white text looks on a background with the Yxy color 41.9579, 0.3293, 0.2957.

# 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

41.9579, 0.3293, 0.2957

### Protanopia

41.9912, 0.2926, 0.2984

### Deuteranopia

42.2781, 0.3120, 0.3056



## Tritanopia

41.8855, 0.3381, 0.3127

# Trichromacy



## Original Color

41.9579, 0.3293, 0.2957

## Protanomaly

41.7561, 0.3053, 0.2978

## Deuteranomaly

42.0668, 0.3185, 0.3022

## Tritanomaly

41.8325, 0.3355, 0.3066

# Monochromacy



## Original Color

41.9579, 0.3293, 0.2957

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

43.0268, 0.3187, 0.3160

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.9579, 0.3293, 0.2957 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(204, 161, 188)` looks like.

```
.text, #text, p{  
    color:rgb(204, 161, 188)  
}
```

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(204, 161, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 161, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 41.9579, 0.3293, 0.2957 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(204, 161, 188) }
```

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

```
.border{ border-color:rgb(204, 161, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 161, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 161, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 161, 188);  
box-shadow:4px 4px 4px 4px rgb(204, 161,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.9579, 0.3293, 0.2957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 161, 188) }
```

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

```
.background{ background-color: rgb(204,  
161, 188) }
```

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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