

# Converting Colors

$Yxy(37.7167, 0.3280, 0.2959)$

Have a look what the booklet for  
Yxy(37.7167, 0.3280, 0.2959)  
contains.

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# Color

**Yxy(37.7033, 0.3279, 0.2966)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C19AB3
RGB	193, 154, 179
RGB Percent	76%, 60%, 70%
CMY	0.2432, 0.3960, 0.2980
CMYK	0.00, 0.20, 0.07, 0.24
HSL	322°, 24%, 68%
HSV	322°, 20%, 76%
XYZ	41.6821, 37.7033, 47.7329
YIQ	168.5110, 15.2190, 16.0430

# Conversions

## Conversions Part 2

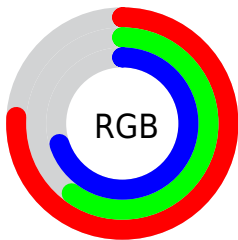
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 154, 179
Decimal	12688051
CIE <sub>Lab</sub>	67.80, 18.66, -7.45
CIE <sub>LCh</sub>	68, 20.093, 338.246
Yxy	37.7033, 0.3279, 0.2966
Android (android.graphics.Color)	4290878131 (0xFFC19AB3)
YUV	168.5110, 5.1711, 21.4769
Hunter-Lab	61.4030, 13.7156, -3.1082

# Details

The Yxy color **37.7033, 0.3279, 0.2966** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.8305, 0.3001, 0.3638**, and the grayscale version is **39.3912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9231, 0.3251, 0.3028**, and **16.6958, 0.3327, 0.2883** is the 20% darker color. If you saturate the color by 10%, you get **31.5650, 0.3375, 0.2798**, and if you desaturate by 10%, it is **44.8831, 0.3197, 0.3130**.

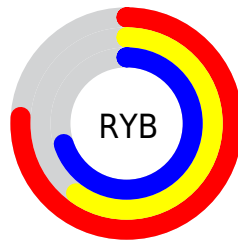
# Distribution



Red (76%)

Green (60%)

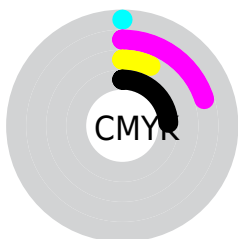
Blue (70%)



Red (76%)

Yellow (60%)

Blue (70%)

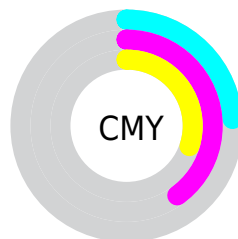


Cyan (0%)

Magenta (20%)

Yellow (7%)

Black (24%)



Cyan (24%)

Magenta (40%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7033, 0.3279, 0.2966 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 37.7033, 0.3279, 0.2966 by changing the saturation by 10% instead.





 37.7033, 0.3279,  
0.2966


 37.7033, 0.3279,  
0.2966


336.3455, 0.3202,  
0.3130

 25.7525, 0.3298,  
0.2925

 71.6531, 0.3251,  
0.3026

 16.6386, 0.3323,  
0.2871


 94.4210, 0.3241,  
0.3048

 9.9771, 0.3357,  
0.2800


121.5633, 0.3232,  
0.3067

 5.3838, 0.3404,  
0.2699

153.4644, 0.3224,  
0.3083

 2.4742, 0.3475,  
0.2547

190.5088, 0.3218,  
0.3097

 0.8637, 0.3595,  
0.2291

233.0809, 0.3212,

 0.0000, 0.4673,

0.3109

0.0000

281.5650, 0.3207,  
0.3120

0.0000, 0.0000,  
0.0000

37.7033, 0.3279,  
0.2966

37.7033, 0.3279,  
0.2966

31.5650, 0.3375,  
0.2798

44.8831, 0.3197,  
0.3130

26.4141, 0.3486,  
0.2633

53.1453, 0.3128,  
0.3287

22.1993, 0.3613,  
0.2477

62.5344, 0.3071,  
0.3435

18.8626, 0.3753,  
0.2341

73.0911, 0.3023,  
0.3572

16.3393, 0.3906,  
0.2236

84.8541, 0.2982,  
0.3699

■ 14.5560, 0.4064,  
0.2172

■ 88.0507, 0.2946,  
0.3667

■ 13.4256, 0.4224,  
0.2157

■ 88.4262, 0.2909,  
0.3589

■ 12.7852, 0.4377,  
0.2185

■ 88.8170, 0.2873,  
0.3512

■ 89.2234, 0.2837,  
0.3436

# Harmonies

## Analogous

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



37.7033, 0.2974, 0.2826



37.7033, 0.3279, 0.2966



37.7033, 0.3554, 0.3183

# Triad

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



37.7033, 0.3279, 0.2966



37.7033, 0.3533, 0.3808



37.7033, 0.2577, 0.3100

# Complementary

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



37.7033, 0.3279, 0.2966



47.8305, 0.3001, 0.3638

# 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.



37.7033, 0.2712, 0.3381



37.7033, 0.3279, 0.2966



37.7033, 0.3259, 0.3809

# Square

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



37.7033, 0.3279, 0.2966



37.7033, 0.3702, 0.3664



37.7033, 0.2959, 0.3650



37.7033, 0.2580, 0.2890



# Rectangle

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



37.7033, 0.3279, 0.2966



37.7033, 0.3676, 0.3350



37.7033, 0.2959, 0.3650



37.7033, 0.2607, 0.3189

# Sweetspot

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



37.7050, 0.3279, 0.2966



86.2319, 0.3168, 0.3195



35.2507, 0.2915, 0.2758



18.2945, 0.3172, 0.3185



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.7050, 0.3279, 0.2966



62.7229, 0.3317, 0.2896



36.9829, 0.3465, 0.3213



10.1842, 0.3191, 0.3143



8.5210, 0.4358, 0.2174



0.3809, 0.4039, 0.1999



# Inverse Universe

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



37.7050, 0.3279, 0.2966



62.7229, 0.3317, 0.2896



48.5977, 0.2868, 0.3369



10.1842, 0.3191, 0.3143



8.5210, 0.4358, 0.2174

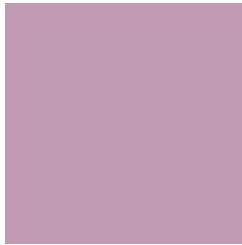


0.3809, 0.4039, 0.1999



# Previews

## White Background



This preview shows how the Yxy color 37.7033, 0.3279, 0.2966 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

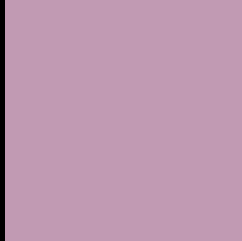
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.7033, 0.3279, 0.2966 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

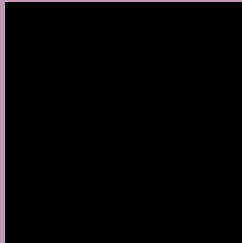
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.7033, 0.3279, 0.2966**

## Background



This preview shows how black text looks on a background with the Yxy color 37.7033, 0.3279, 0.2966.



This preview shows how white text looks on a background with the Yxy color 37.7033, 0.3279, 0.2966.

# 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

37.7033, 0.3279, 0.2966

### Protanopia

37.7351, 0.2933, 0.2997

### Deuteranopia

37.9342, 0.3119, 0.3059



## Tritanopia

37.8106, 0.3371, 0.3132

# Trichromacy



**Original Color**

37.7033, 0.3279, 0.2966

**Protanomaly**

37.4447, 0.3049, 0.2976

**Deuteranomaly**

37.6132, 0.3178, 0.3022

**Tritanomaly**

37.6277, 0.3335, 0.3067

# Monochromacy



**Original Color**

37.7033, 0.3279, 0.2966

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

39.0330, 0.3180, 0.3168

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.7033, 0.3279, 0.2966 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(193, 154, 179)` looks like.

```
.text, #text, p{  
    color:rgb(193, 154, 179)  
}
```

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(193, 154, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 154, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 37.7033, 0.3279, 0.2966 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(193, 154, 179) }
```

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

```
.border{ border-color:rgb(193, 154, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 154, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 154, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 154, 179); box-shadow:4px 4px 4px 4px rgb(193, 154, 179) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.7033, 0.3279, 0.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 154, 179) }
```

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

```
.background{ background-color: rgb(193,  
154, 179) }
```

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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