

# Converting Colors

$Yxy(44.8467, 0.3202, 0.2976)$

Have a look what the booklet for  
Yxy(44.8467, 0.3202, 0.2976)  
contains.

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# Color

**Yxy(44.7336, 0.3196, 0.2971)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9A9C3
RGB	201, 169, 195
RGB Percent	79%, 66%, 76%
CMY	0.2118, 0.3372, 0.2354
CMYK	0.00, 0.16, 0.03, 0.21
HSL	311°, 23%, 73%
HSV	311°, 16%, 79%
XYZ	48.1214, 44.7336, 57.7125
YIQ	181.5320, 10.7260, 14.8700

# Conversions

## Conversions Part 2

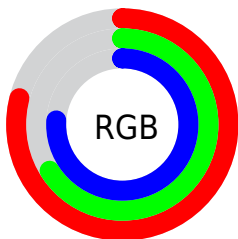
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 169, 195
Decimal	13216195
CIE <sub>Lab</sub>	72.72, 16.11, -8.90
CIE <sub>LCh</sub>	73, 18.405, 331.085
Yxy	44.7336, 0.3196, 0.2971
Android (android.graphics.Color)	4291406275 (0xFFC9A9C3)
YUV	181.5320, 6.6397, 17.0734
Hunter-Lab	66.8832, 11.3823, -4.3422

# Details

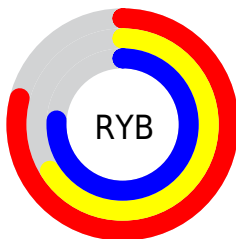
The Yxy color  $44.7336, 0.3196, 0.2971$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $53.3018, 0.3065, 0.3631$ , and the grayscale version is  $46.4706, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.5996, 0.3161, 0.3018$ , and  $20.8487, 0.3220, 0.2894$  is the 20% darker color. If you saturate the color by 10%, you get  $37.6536, 0.3248, 0.2764$ , and if you desaturate by 10%, it is  $52.9714, 0.3151, 0.3174$ .

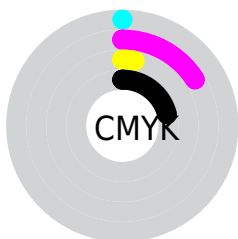
# Distribution



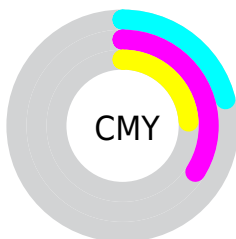
- Red (79%)
- Green (66%)
- Blue (76%)



- Red (79%)
- Yellow (66%)
- Blue (76%)



- Cyan (0%)
- Magenta (16%)
- Yellow (3%)
- Black (21%)




- Cyan (21%)
- Magenta (34%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7336, 0.3196, 0.2971 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 44.7336, 0.3196, 0.2971 by changing the saturation by 10% instead.





 44.7336, 0.3196,  
0.2971


 44.7336, 0.3196,  
0.2971


365.6936, 0.3163,  
0.3128

 31.2476, 0.3204,  
0.2933


 82.3205, 0.3184,  
0.3027

 20.7875, 0.3213,  
0.2884


 107.1902, 0.3180,  
0.3049

 12.9688, 0.3226,  
0.2820


136.6234, 0.3176,  
0.3067

 7.4070, 0.3242,  
0.2733

171.0043, 0.3173,  
0.3082

 3.7179, 0.3265,  
0.2605

210.7173, 0.3170,  
0.3096

 1.5171, 0.3298,  
0.2404

256.1470, 0.3167,

 0.3007, 0.3520,

0.3108

0.1559

307.6776, 0.3165,  
0.3118

0.0000, 0.0000,  
0.0000

44.7336, 0.3196,  
0.2971

44.7336, 0.3196,  
0.2971

37.6536, 0.3248,  
0.2764

52.9714, 0.3151,  
0.3174

31.6732, 0.3306,  
0.2558

62.4101, 0.3112,  
0.3368

26.7380, 0.3370,  
0.2363

73.0978, 0.3079,  
0.3551

22.7864, 0.3439,  
0.2186

85.0784, 0.3050,  
0.3722

19.7506, 0.3511,  
0.2038

88.7853, 0.3028,  
0.3736

■ 17.5541, 0.3585,  
0.1928

■ 88.9806, 0.3008,  
0.3694

■ 16.1080, 0.3657,  
0.1863

■ 89.1804, 0.2987,  
0.3652

■ 15.3013, 0.3726,  
0.1843

■ 89.3848, 0.2967,  
0.3610

■ 15.0671, 0.3754,  
0.1842

■ 89.5937, 0.2946,  
0.3568

# Harmonies

## Analogous

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



44.7336, 0.2936, 0.2870



44.7336, 0.3196, 0.2971



44.7336, 0.3446, 0.3149

# Triad

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



44.7336, 0.3196, 0.2971



44.7336, 0.3525, 0.3719



44.7336, 0.2666, 0.3182

# Complementary

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



44.7336, 0.3196, 0.2971



53.3018, 0.3065, 0.3631

# 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.



44.7336, 0.2811, 0.3429



44.7336, 0.3196, 0.2971



44.7336, 0.3305, 0.3749

# Square

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



44.7336, 0.3196, 0.2971



44.7336, 0.3640, 0.3574



44.7336, 0.3043, 0.3643



44.7336, 0.2639, 0.2980



# Rectangle

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



44.7336, 0.3196, 0.2971



44.7336, 0.3570, 0.3292



44.7336, 0.3043, 0.3643



44.7336, 0.2702, 0.3263

# Sweetspot

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



44.7356, 0.3196, 0.2971



91.9797, 0.3147, 0.3191



41.6963, 0.2920, 0.2873



19.4553, 0.3150, 0.3176



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.



44.7356, 0.3196, 0.2971



72.3147, 0.3213, 0.2902



44.0568, 0.3334, 0.3164



10.7811, 0.3166, 0.3104



9.4873, 0.3745, 0.1837



0.4583, 0.3614, 0.1765



# Inverse Universe

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



44.7356, 0.3196, 0.2971



72.3147, 0.3213, 0.2902



53.9611, 0.2956, 0.3420



10.7811, 0.3166, 0.3104



9.4873, 0.3745, 0.1837



0.4583, 0.3614, 0.1765



# Previews

## White Background



This preview shows how the Yxy color 44.7336, 0.3196, 0.2971 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

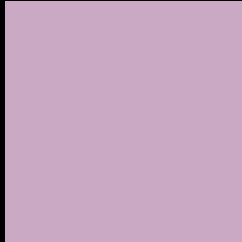
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.7336, 0.3196, 0.2971 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

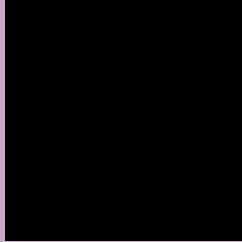
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.7336, 0.3196, 0.2971**

## Background



This preview shows how black text looks on a background with the Yxy color 44.7336, 0.3196, 0.2971.



This preview shows how white text looks on a background with the Yxy color 44.7336, 0.3196, 0.2971.

# 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

44.7336, 0.3196, 0.2971

### Protanopia

44.7284, 0.2931, 0.2991

### Deuteranopia

44.9860, 0.3095, 0.3036



## Tritanopia

44.7286, 0.3270, 0.3128

# Trichromacy



## Original Color

44.7336, 0.3196, 0.2971

## Protanomaly

44.5397, 0.3021, 0.2984

## Deuteranomaly

44.7375, 0.3131, 0.3014

## Tritanomaly

44.6597, 0.3246, 0.3067

# Monochromacy



## Original Color

44.7336, 0.3196, 0.2971

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

45.8510, 0.3151, 0.3162

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.7336, 0.3196, 0.2971 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(201, 169, 195)` looks like.

```
.text, #text, p{  
    color:rgb(201, 169, 195)  
}
```

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(201, 169, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 169, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 44.7336, 0.3196, 0.2971 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(201, 169, 195) }
```

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

```
.border{ border-color:rgb(201, 169, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 169, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 169, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 169, 195);  
box-shadow:4px 4px 4px 4px rgb(201, 169,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.7336, 0.3196, 0.2971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 169, 195) }
```

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

```
.background{ background-color: rgb(201,  
169, 195) }
```

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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