

# Converting Colors

$Y_{xy}(40.9296, 0.2843, 0.2494)$

Have a look what the booklet for  
Yxy(40.9296, 0.2843, 0.2494)  
contains.

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# Color

**Yxy(40.9239, 0.2844, 0.2490)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BC9FE1
RGB	188, 159, 225
RGB Percent	74%, 62%, 88%
CMY	0.2625, 0.3766, 0.1175
CMYK	0.16, 0.29, 0.00, 0.12
HSL	266°, 52%, 75%
HSV	266°, 29%, 88%
XYZ	46.7420, 40.9239, 76.6871
YIQ	175.1950, -3.9020, 26.6740

# Conversions

## Conversions Part 2

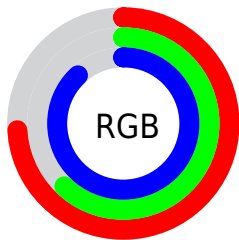
Format	Color
R <sub>Y</sub> B	188, 159, 225
Decimal	12361697
CIE Lab	70.12, 23.44, -29.46
CIE LCh	70, 37.648, 308.516
Yxy	40.9239, 0.2844, 0.2490
Android (android.graphics.Color)	4290551777 (0xFFBC9FE1)
YUV	175.1950, 24.5539, 11.2300
Hunter-Lab	63.9718, 18.4732, -26.2945

# Details

The Yxy color  $40.9239, 0.2844, 0.2490$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $68.0938, 0.3349, 0.4077$ , and the grayscale version is  $42.8520, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $74.7256, 0.3076, 0.2882$ , and  $18.4483, 0.2760, 0.2288$  is the 20% darker color. If you saturate the color by 10%, you get  $32.3486, 0.2720, 0.2186$ , and if you desaturate by 10%, it is  $51.0507, 0.2954, 0.2782$ .

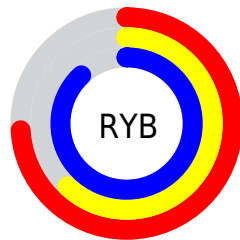
# Distribution



Red (74%)

Green (62%)

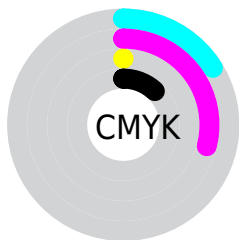
Blue (88%)



Red (74%)

Yellow (62%)

Blue (88%)

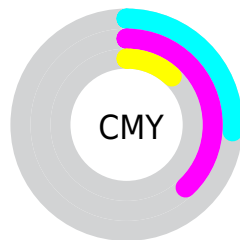


Cyan (16%)

Magenta (29%)

Yellow (0%)

Black (12%)



Cyan (26%)

Magenta (38%)


Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9239, 0.2844, 0.2490 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 40.9239, 0.2844, 0.2490 by changing the saturation by 10% instead.





 40.9239, 0.2844,  
0.2490


 40.9239, 0.2844,  
0.2490


350.0025, 0.2993,  
0.2875

 28.2596, 0.2805,  
0.2399


 76.5684, 0.2900,  
0.2626

 18.5215, 0.2754,  
0.2286


 100.3173, 0.2920,  
0.2678

 11.3250, 0.2686,  
0.2141


128.5300, 0.2937,  
0.2723

 6.2859, 0.2588,  
0.1949

161.5907, 0.2952,  
0.2761

 3.0197, 0.2442,  
0.1687

199.8840, 0.2964,  
0.2795

 1.1420, 0.2205,  
0.1315

243.7941, 0.2975,

 0.0136, 0.1856,

0.2825

0.0043

293.7054, 0.2985,  
0.2851

0.0000, 0.0000,  
0.0000

40.9239, 0.2844,  
0.2490

40.9239, 0.2844,  
0.2490

32.3486, 0.2720,  
0.2186

51.0507, 0.2954,  
0.2782

25.2399, 0.2584,  
0.1880

62.7982, 0.3050,  
0.3055

19.5117, 0.2440,  
0.1587

76.2373, 0.3132,  
0.3306

15.0672, 0.2294,  
0.1322

91.4332, 0.3202,  
0.3532

11.7959, 0.2152,  
0.1101

97.4717, 0.3278,  
0.3584

■ 9.5678, 0.2021,  
0.0936

■ 98.2176, 0.3303,  
0.3581

■ 8.1741, 0.1907,  
0.0827

■ 8.0961, 0.1900,  
0.0820

# Harmonies

## Analogous

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



40.9239, 0.2410, 0.2425



40.9239, 0.2844, 0.2490



40.9239, 0.3397, 0.2727

# Triad

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



40.9239, 0.2844, 0.2490



40.9239, 0.4165, 0.3928



40.9239, 0.2380, 0.3438

# Complementary

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



40.9239, 0.2844, 0.2490



68.0938, 0.3349, 0.4077

# 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.



40.9239, 0.2803, 0.3970



40.9239, 0.2844, 0.2490



40.9239, 0.3838, 0.4226

# Square

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



40.9239, 0.2844, 0.2490



40.9239, 0.4200, 0.3514



40.9239, 0.3336, 0.4269



40.9239, 0.2161, 0.2914



# Rectangle

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



40.9239, 0.2844, 0.2490



40.9239, 0.3757, 0.2958



40.9239, 0.3336, 0.4269



40.9239, 0.2501, 0.3627

# Sweetspot

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



40.9256, 0.2844, 0.2490



83.8665, 0.3053, 0.3063



52.4687, 0.2665, 0.2930



17.4301, 0.3039, 0.3024



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.



40.9256, 0.2844, 0.2490



47.3888, 0.2773, 0.2312



45.5388, 0.3123, 0.2554



13.5371, 0.3049, 0.3053



4.7309, 0.1916, 0.0829



0.3803, 0.2089, 0.0925



# Inverse Universe

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



44.7825, 0.3419, 0.2867



53.3836, 0.3498, 0.2779



64.1932, 0.3117, 0.4136



13.8283, 0.3205, 0.3160



10.1148, 0.4701, 0.2364

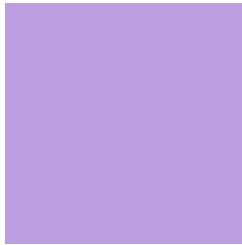


0.7190, 0.4408, 0.2202



# Previews

## White Background



This preview shows how the Yxy color 40.9239, 0.2844, 0.2490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

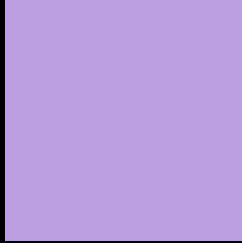
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.9239, 0.2844, 0.2490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

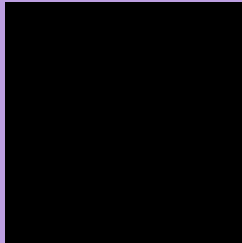
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.9239, 0.2844, 0.2490**

## Background



This preview shows how black text looks on a background with the Yxy color 40.9239, 0.2844, 0.2490.



This preview shows how white text looks on a background with the Yxy color 40.9239, 0.2844, 0.2490.

# 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

40.9239, 0.2844, 0.2490

### Protanopia

41.0314, 0.2534, 0.2474

### Deuteranopia

41.1772, 0.2646, 0.2594



## Tritanopia

40.7974, 0.3136, 0.3104

# Trichromacy



**Original Color**

40.9239, 0.2844, 0.2490

**Protanomaly**

40.7304, 0.2640, 0.2474

**Deuteranomaly**

40.8381, 0.2711, 0.2545

**Tritanomaly**

40.7725, 0.3030, 0.2865

# Monochromacy



**Original Color**

40.9239, 0.2844, 0.2490

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

41.9295, 0.3027, 0.2977

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.9239, 0.2844, 0.2490 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(188, 159, 225)` looks like.

```
.text, #text, p{  
    color:rgb(188, 159, 225)  
}
```

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(188, 159, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 159, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 40.9239, 0.2844, 0.2490 is called "border". The border property can be set on classes, ids or directly on the HTML element.

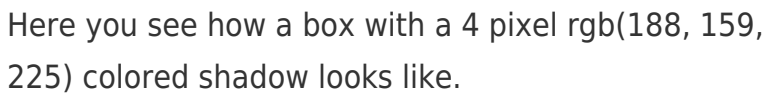
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 159, 225) }
```

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

```
.border{ border-color:rgb(188, 159, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 159, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 159, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 159, 225); box-shadow:4px 4px 4px 4px rgb(188, 159, 225) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.9239, 0.2844, 0.2490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 159, 225) }
```

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

```
.background{ background-color: rgb(188,  
159, 225) }
```

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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