

# Converting Colors

$Y_{xy}(40.1264, 0.2941, 0.2413)$

Have a look what the booklet for  
Yxy(40.1264, 0.2941, 0.2413)  
contains.

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# Color

**Yxy(40.0417, 0.2944, 0.2412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C997E2
RGB	201, 151, 226
RGB Percent	79%, 59%, 89%
CMY	0.2119, 0.4078, 0.1138
CMYK	0.11, 0.33, 0.00, 0.11
HSL	280°, 56%, 74%
HSV	280°, 33%, 89%
XYZ	48.8735, 40.0417, 77.0952
YIQ	174.5000, 5.7250, 33.9250

# Conversions

## Conversions Part 2

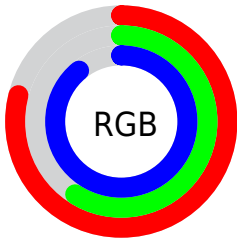
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 151, 226
Decimal	13211618
CIE Lab	69.50, 32.04, -30.85
CIE LCh	69, 44.477, 316.088
Yxy	40.0417, 0.2944, 0.2412
Android (android.graphics.Color)	4291401698 (0xFFC997E2)
YUV	174.5000, 25.3895, 23.2405
Hunter-Lab	63.2785, 27.1279, -27.9409

# Details

The Yxy color **40.0417, 0.2944, 0.2412** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **65.8560, 0.3252, 0.4225**, and the grayscale version is **42.4628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **17.9370, 0.2883, 0.2194** is the 20% darker color. If you saturate the color by 10%, you get **32.4326, 0.2870, 0.2135**, and if you desaturate by 10%, it is **49.0997, 0.3010, 0.2689**.

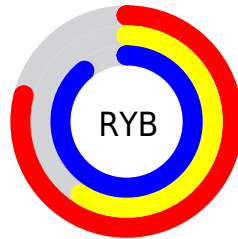
# Distribution



Red (79%)

Green (59%)

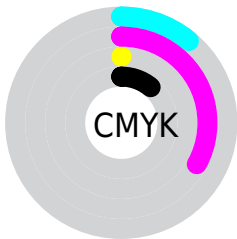
Blue (89%)



Red (79%)

Yellow (59%)

Blue (89%)

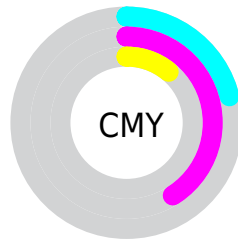


Cyan (11%)

Magenta (33%)

Yellow (0%)

Black (11%)



Cyan (21%)

Magenta (41%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.0417, 0.2944, 0.2412 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 40.0417, 0.2944, 0.2412 by changing the saturation by 10% instead.





 40.0417, 0.2944,  
0.2412


 40.0417, 0.2944,  
0.2412


346.2993, 0.3046,  
0.2830

 27.5711, 0.2916,  
0.2314


 75.2270, 0.2983,  
0.2559

 18.0026, 0.2878,  
0.2193


 98.7105, 0.2998,  
0.2616

 10.9518, 0.2826,  
0.2039


126.6336, 0.3009,  
0.2664

 6.0345, 0.2751,  
0.1838

159.3810, 0.3019,  
0.2706

 2.8660, 0.2633,  
0.1566

197.3368, 0.3028,  
0.2743

 1.0622, 0.2434,  
0.1189

240.8855, 0.3035,

 0.0000, 0.2193,

0.2775

0.0000

290.4116, 0.3041,  
0.2804

0.0000, 0.0000,  
0.0000

40.0417, 0.2944,  
0.2412

40.0417, 0.2944,  
0.2412

32.4326, 0.2870,  
0.2135

49.0997, 0.3010,  
0.2689

26.1866, 0.2788,  
0.1868

59.6757, 0.3066,  
0.2958

21.2168, 0.2700,  
0.1624


71.8406, 0.3114,  
0.3213

17.4235, 0.2608,  
0.1415

85.6591, 0.3153,  
0.3450

14.6921, 0.2517,  
0.1251

95.3052, 0.3193,  
0.3581

 12.8839, 0.2430,  
0.1136

 96.6431, 0.3241,  
0.3577

 12.0284, 0.2373,  
0.1081

 98.0365, 0.3290,  
0.3573

 98.2703, 0.3298,  
0.3572

# Harmonies

## Analogous

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



40.0417, 0.2392, 0.2280



40.0417, 0.2944, 0.2412



40.0417, 0.3612, 0.2726

# Triad

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



40.0417, 0.2944, 0.2412



40.0417, 0.4278, 0.4131



40.0417, 0.2159, 0.3287

# Complementary

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



40.0417, 0.2944, 0.2412



65.8560, 0.3252, 0.4225

# 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.



40.0417, 0.2593, 0.3964



40.0417, 0.2944, 0.2412



40.0417, 0.3818, 0.4448

# Square

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



40.0417, 0.2944, 0.2412



40.0417, 0.4428, 0.3661



40.0417, 0.3199, 0.4421



40.0417, 0.1979, 0.2706



# Rectangle

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



40.0417, 0.2944, 0.2412



40.0417, 0.4019, 0.3009



40.0417, 0.3199, 0.4421



40.0417, 0.2277, 0.3516

# Sweetspot

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



40.0434, 0.2944, 0.2412



83.2172, 0.3082, 0.3039



43.6184, 0.2577, 0.2659



17.3443, 0.3075, 0.3002



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.



40.0434, 0.2944, 0.2412



45.3682, 0.2892, 0.2215



43.1998, 0.3265, 0.2580



13.6946, 0.3085, 0.3055



6.9304, 0.2385, 0.1088



0.5287, 0.2514, 0.1159



# Inverse Universe

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



41.4429, 0.3639, 0.3000



47.6321, 0.3798, 0.2936



63.5856, 0.3015, 0.4123



13.7756, 0.3240, 0.3212



9.5372, 0.5630, 0.2875

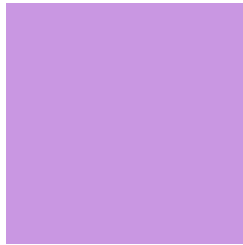


0.6773, 0.5196, 0.2636



# Previews

## White Background



This preview shows how the Yxy color 40.0417, 0.2944, 0.2412 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

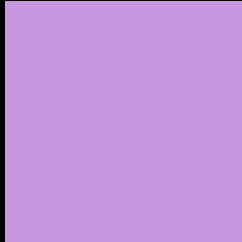
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.0417, 0.2944, 0.2412 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

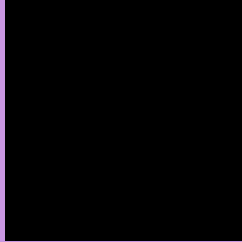
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.0417, 0.2944, 0.2412**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.0417, 0.2944, 0.2412.

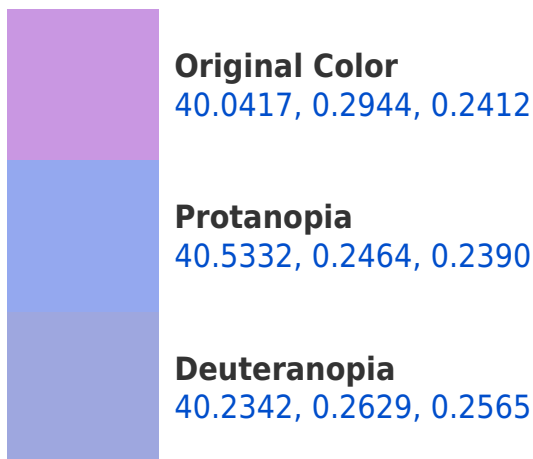


This preview shows how white text looks on a background with the Yxy color 40.0417, 0.2944, 0.2412.

# 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





## Tritanopia

39.8832, 0.3317, 0.3121

# Trichromacy



**Original Color**

40.0417, 0.2944, 0.2412

**Protanomaly**

39.9967, 0.2618, 0.2396

**Deuteranomaly**

39.8702, 0.2738, 0.2501

**Tritanomaly**

39.7000, 0.3177, 0.2837

# Monochromacy



**Original Color**

40.0417, 0.2944, 0.2412

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

41.3578, 0.3054, 0.2928

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.0417, 0.2944, 0.2412 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, 151, 226)` looks like.

```
.text, #text, p{  
    color:rgb(201, 151, 226)  
}
```

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, 151, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 151, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 40.0417, 0.2944, 0.2412 is called "border". The border property can be set on classes, ids or directly on the HTML element.

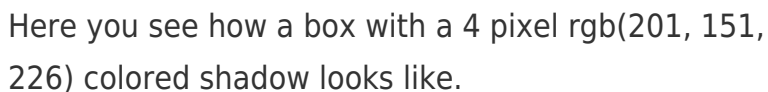
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 151, 226) }
```

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

```
.border{ border-color:rgb(201, 151, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(201, 151, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 151, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 151, 226); box-shadow:4px 4px 4px 4px rgb(201, 151, 226) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.0417, 0.2944, 0.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 151, 226) }
```

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

```
.background{ background-color: rgb(201,  
151, 226) }
```

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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