

Converting Colors

$Y_{xy}(41.3096, 0.2972, 0.2460)$

Have a look what the booklet for
Yxy(41.3096, 0.2972, 0.2460)
contains.

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Color

Yxy(41.2440, 0.2970, 0.2461)

Conversions

Conversions Part 1

Format	Color
Hex	CB9AE1
RGB	203, 154, 225
RGB Percent	80%, 60%, 88%
CMY	0.2039, 0.3961, 0.1176
CMYK	0.10, 0.32, 0.00, 0.12
HSL	281°, 54%, 74%
HSV	281°, 32%, 88%
XYZ	49.7744, 41.2440, 76.5721
YIQ	176.7450, 6.4130, 32.4690

Conversions

Conversions Part 2

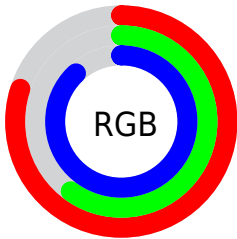
Format	Color
RYB	203, 154, 225
Decimal	13343457
CIELab	70.35, 30.84, -28.98
CIELCh	70, 42.318, 316.775
Yxy	41.2440, 0.2970, 0.2461
Android (android.graphics.Color)	4291533537 (0xFFCB9AE1)
YUV	176.7450, 23.7897, 23.0256
Hunter-Lab	64.2215, 25.9574, -25.7371

Details

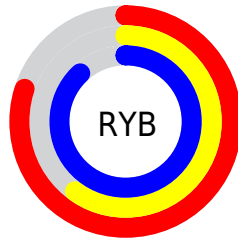
The Yxy color $41.2440, 0.2970, 0.2461$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $65.4155, 0.3235, 0.4177$, and the grayscale version is $43.6973, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.0809, 0.3148, 0.2841$, and $18.6632, 0.2919, 0.2258$ is the 20% darker color. If you saturate the color by 10%, you get $33.5443, 0.2903, 0.2186$, and if you desaturate by 10%, it is $50.3832, 0.3029, 0.2735$.

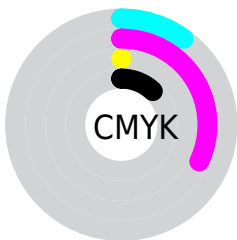
Distribution



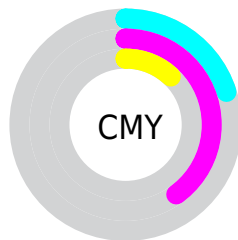
- Red (80%)
- Green (60%)
- Blue (88%)



- Red (80%)
- Yellow (60%)
- Blue (88%)



- Cyan (10%)
- Magenta (32%)
- Yellow (0%)
- Black (12%)





- Cyan (20%)
- Magenta (40%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2440, 0.2970, 0.2461 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 41.2440, 0.2970, 0.2461 by changing the saturation by 10% instead.


 41.2440, 0.2970,
0.2461


 41.2440, 0.2970,
0.2461


351.3394, 0.3058,
0.2856

 28.5098, 0.2946,
0.2369


 77.0542, 0.3004,
0.2600

 18.7103, 0.2913,
0.2254


 100.8989, 0.3016,
0.2653

 11.4611, 0.2868,
0.2108


129.2159, 0.3026,
0.2699

 6.3779, 0.2802,
0.1917

162.3897, 0.3035,
0.2739

 3.0762, 0.2700,
0.1657

200.8045, 0.3042,
0.2774

 1.1716, 0.2525,
0.1292

244.8448, 0.3048,

 0.0384, 0.2342,

0.2804

0.0114

294.8949, 0.3054,
0.2831

■ 0.0000, 0.0000,
0.0000

■ 41.2440, 0.2970,
0.2461

■ 41.2440, 0.2970,
0.2461

■ 33.5443, 0.2903,
0.2186

■ 50.3832, 0.3029,
0.2735

■ 27.2003, 0.2828,
0.1920

■ 61.0292, 0.3079,
0.3001

■ 22.1277, 0.2748,
0.1676


■ 73.2510, 0.3121,
0.3252


■ 18.2300, 0.2664,
0.1466


■ 87.1122, 0.3156,
0.3486


■ 15.3969, 0.2579,
0.1299


■ 95.1100, 0.3193,
0.3592

 13.4961, 0.2496,
0.1180

 96.3395, 0.3238,
0.3588

 12.4318, 0.2429,
0.1112

 97.6163, 0.3283,
0.3583

 98.2163, 0.3304,
0.3582

Harmonies

Analogous

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



41.2440, 0.2442, 0.2332



41.2440, 0.2970, 0.2461



41.2440, 0.3600, 0.2764

Triad

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



41.2440, 0.2970, 0.2461



41.2440, 0.4210, 0.4101



41.2440, 0.2204, 0.3277

Complementary

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



41.2440, 0.2970, 0.2461



65.4155, 0.3235, 0.4177

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.



41.2440, 0.2613, 0.3909



41.2440, 0.2970, 0.2461



41.2440, 0.3772, 0.4386

Square

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



41.2440, 0.2970, 0.2461



41.2440, 0.4355, 0.3659



41.2440, 0.3185, 0.4344



41.2440, 0.2036, 0.2732

Rectangle

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



41.2440, 0.2970, 0.2461



41.2440, 0.3978, 0.3037



41.2440, 0.3185, 0.4344



41.2440, 0.2315, 0.3490

Sweetspot

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



41.2457, 0.2970, 0.2461



84.8973, 0.3090, 0.3065



43.5491, 0.2602, 0.2664



17.6842, 0.3084, 0.3028



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.



41.2457, 0.2970, 0.2461



47.7106, 0.2926, 0.2276



43.8735, 0.3278, 0.2639



13.7114, 0.3089, 0.3055



7.2281, 0.2441, 0.1119



0.5477, 0.2563, 0.1185

Inverse Universe

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



42.2557, 0.3622, 0.3034



49.3843, 0.3773, 0.2978



63.5126, 0.3007, 0.4043



13.7701, 0.3244, 0.3218



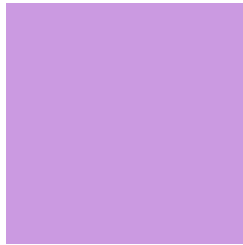
9.4956, 0.5718, 0.2924



0.6739, 0.5279, 0.2682

Previews

White Background



This preview shows how the Yxy color 41.2440, 0.2970, 0.2461 looks on a white background.

Color Contrast Check

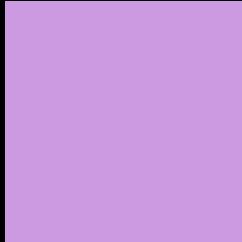
Large Text (above 18pt) WCAG AA × Fail

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 41.2440, 0.2970, 0.2461 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 41.2440, 0.2970, 0.2461

Background



This preview shows how black text looks on a background with the Yxy color 41.2440, 0.2970, 0.2461.



This preview shows how white text looks on a background with the Yxy color 41.2440, 0.2970, 0.2461.

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

41.2440, 0.2970, 0.2461

Protanopia

41.5393, 0.2506, 0.2443

Deuteranopia

41.4364, 0.2675, 0.2610



Tritanopia

41.4213, 0.3323, 0.3137

Trichromacy



Original Color

41.2440, 0.2970, 0.2461

Protanomaly

41.0920, 0.2657, 0.2438

Deuteranomaly

41.3436, 0.2780, 0.2556

Tritanomaly

41.1788, 0.3193, 0.2867

Monochromacy



Original Color

41.2440, 0.2970, 0.2461

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

42.7101, 0.3071, 0.2969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2440, 0.2970, 0.2461 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(203, 154, 225)` looks like.

```
.text, #text, p{  
    color:rgb(203, 154, 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(203, 154, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 154, 225) }
```

Border

The CSS property to change the border of an element to Yxy 41.2440, 0.2970, 0.2461 is called "border". The border property can be set on classes, ids or directly on the HTML element.

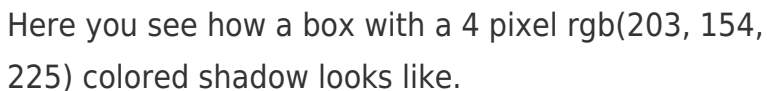
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 154, 225) }
```

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

```
.border{ border-color:rgb(203, 154, 225) }
```

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



Here you see how a box with a 4 pixel rgb(203, 154, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 154, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 154, 225);  
box-shadow:4px 4px 4px 4px rgb(203, 154,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2440, 0.2970, 0.2461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 154, 225) }
```

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

```
.background{ background-color: rgb(203,  
154, 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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