

Converting Colors

$Y_{xy}(42.0490, 0.2970, 0.2469)$

Have a look what the booklet for
Yxy(42.0490, 0.2970, 0.2469)
contains.

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Color

Yxy(42.1053, 0.2971, 0.2476)

Conversions

Conversions Part 1

Format	Color
Hex	CC9CE2
RGB	204, 156, 226
RGB Percent	80%, 61%, 89%
CMY	0.1999, 0.3883, 0.1137
CMYK	0.10, 0.31, 0.00, 0.11
HSL	281°, 55%, 75%
HSV	281°, 31%, 89%
XYZ	50.5230, 42.1053, 77.4255
YIQ	178.3320, 6.1380, 31.9460

Conversions

Conversions Part 2

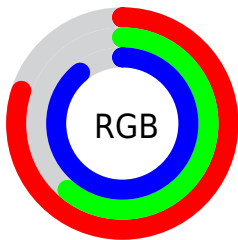
Format	Color
R _Y B	204, 156, 226
Decimal	13409506
CIE Lab	70.94, 30.27, -28.61
CIE LCh	71, 41.654, 316.617
Yxy	42.1053, 0.2971, 0.2476
Android (android.graphics.Color)	4291599586 (0xFFCC9CE2)
YUV	178.3320, 23.5003, 22.5108
Hunter-Lab	64.8886, 25.4270, -25.3232

Details

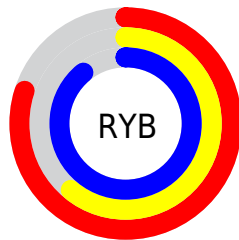
The Yxy color $42.1053, 0.2971, 0.2476$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $66.2643, 0.3236, 0.4159$, and the grayscale version is $44.5782, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.0685, 0.3147, 0.2861$, and $19.1925, 0.2921, 0.2279$ is the 20% darker color. If you saturate the color by 10%, you get $34.2343, 0.2903, 0.2200$, and if you desaturate by 10%, it is $51.4368, 0.3030, 0.2751$.

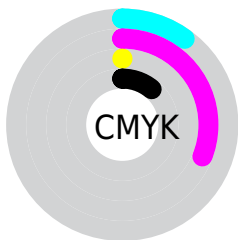
Distribution



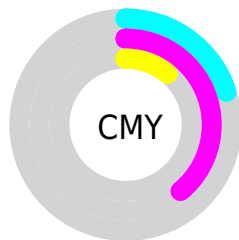
- Red (80%)
- Green (61%)
- Blue (89%)



- Red (80%)
- Yellow (61%)
- Blue (89%)



- Cyan (10%)
- Magenta (31%)
- Yellow (0%)
- Black (11%)





- Cyan (20%)
- Magenta (39%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1053, 0.2971, 0.2476 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 42.1053, 0.2971, 0.2476 by changing the saturation by 10% instead.


 42.1053, 0.2971,
0.2476


 42.1053, 0.2971,
0.2476


354.9193, 0.3058,
0.2863

 29.1838, 0.2947,
0.2386


 78.3590, 0.3004,
0.2612

 19.2199, 0.2915,
0.2274


 102.4599, 0.3016,
0.2664

 11.8293, 0.2871,
0.2131


131.0560, 0.3026,
0.2709

 6.6275, 0.2807,
0.1944

164.5318, 0.3035,
0.2748

 3.2303, 0.2708,
0.1690

203.2716, 0.3042,
0.2782

 1.2531, 0.2540,
0.1334

247.6599, 0.3048,

 0.1044, 0.2345,

0.2812

0.0292

298.0810, 0.3053,
0.2839

0.0000, 0.0000,
0.0000

42.1053, 0.2971,
0.2476

42.1053, 0.2971,
0.2476

34.2343, 0.2903,
0.2200

51.4368, 0.3030,
0.2751

27.7394, 0.2828,
0.1933

62.2964, 0.3081,
0.3016

22.5357, 0.2747,
0.1687


74.7538, 0.3123,
0.3266


18.5265, 0.2661,
0.1473


88.8729, 0.3159,
0.3499

15.6010, 0.2575,
0.1302

95.4527, 0.3198,
0.3580

 13.6270, 0.2491,
0.1180

 96.7163, 0.3243,
0.3576

 12.4623, 0.2419,
0.1106

 98.0291, 0.3289,
0.3572

 98.2718, 0.3297,
0.3572

Harmonies

Analogous

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



42.1053, 0.2454, 0.2350



42.1053, 0.2971, 0.2476



42.1053, 0.3587, 0.2773

Triad

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



42.1053, 0.2971, 0.2476



42.1053, 0.4189, 0.4084



42.1053, 0.2225, 0.3281

Complementary

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



42.1053, 0.2971, 0.2476



66.2643, 0.3236, 0.4159

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.



42.1053, 0.2628, 0.3897



42.1053, 0.2971, 0.2476



42.1053, 0.3763, 0.4362

Square

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



42.1053, 0.2971, 0.2476



42.1053, 0.4328, 0.3651



42.1053, 0.3189, 0.4320



42.1053, 0.2058, 0.2747

Rectangle

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



42.1053, 0.2971, 0.2476



42.1053, 0.3957, 0.3041



42.1053, 0.3189, 0.4320



42.1053, 0.2335, 0.3489

Sweetspot

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



42.1071, 0.2971, 0.2476



84.8797, 0.3090, 0.3065



44.4666, 0.2612, 0.2677



17.6798, 0.3083, 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.



42.1071, 0.2971, 0.2476



48.6536, 0.2930, 0.2303



44.7593, 0.3275, 0.2651



13.7085, 0.3088, 0.3055



7.1746, 0.2432, 0.1113



0.5443, 0.2554, 0.1181

Inverse Universe

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



43.1601, 0.3607, 0.3035



50.3578, 0.3745, 0.2982



64.3261, 0.3009, 0.4027



13.7711, 0.3243, 0.3217



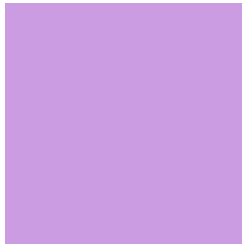
9.5027, 0.5703, 0.2915



0.6745, 0.5264, 0.2673

Previews

White Background



This preview shows how the Yxy color 42.1053, 0.2971, 0.2476 looks on a white background.

Color Contrast Check

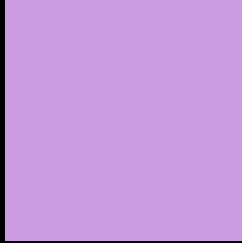
Large Text (above 18pt) WCAG AA × Fail

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 42.1053, 0.2971, 0.2476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

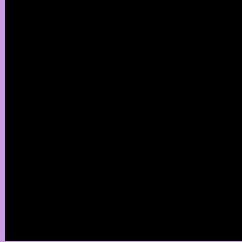
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1053, 0.2971, 0.2476

Background



This preview shows how black text looks on a background with the Yxy color 42.1053, 0.2971, 0.2476.



This preview shows how white text looks on a background with the Yxy color 42.1053, 0.2971, 0.2476.

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

42.1053, 0.2971, 0.2476

Protanopia

42.5481, 0.2517, 0.2461

Deuteranopia

42.4529, 0.2686, 0.2628



Tritanopia

41.9949, 0.3312, 0.3125

Trichromacy



Original Color

42.1053, 0.2971, 0.2476

Protanomaly

41.9836, 0.2660, 0.2455

Deuteranomaly

42.2380, 0.2782, 0.2573

Tritanomaly

42.0602, 0.3192, 0.2882

Monochromacy



Original Color

42.1053, 0.2971, 0.2476

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.2544, 0.3071, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1053, 0.2971, 0.2476 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(204, 156, 226)` looks like.

```
.text, #text, p{  
    color:rgb(204, 156, 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(204, 156, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 156, 226) }
```

Border

The CSS property to change the border of an element to Yxy 42.1053, 0.2971, 0.2476 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(204, 156, 226) }
```

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

```
.border{ border-color:rgb(204, 156, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 156, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 156, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 156, 226);  
box-shadow:4px 4px 4px 4px rgb(204, 156,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1053, 0.2971, 0.2476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 156, 226) }
```

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

```
.background{ background-color: rgb(204,  
156, 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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