

Converting Colors

$Y_{xy}(41.7061, 0.2982, 0.2512)$

Have a look what the booklet for
Yxy(41.7061, 0.2982, 0.2512)
contains.

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Color

Yxy(41.6074, 0.2985, 0.2513)

Conversions

Conversions Part 1

Format	Color
Hex	CA9CDE
RGB	202, 156, 222
RGB Percent	79%, 61%, 87%
CMY	0.2080, 0.3882, 0.1294
CMYK	0.09, 0.30, 0.00, 0.13
HSL	282°, 50%, 74%
HSV	282°, 30%, 87%
XYZ	49.4222, 41.6074, 74.5390
YIQ	177.2780, 6.2300, 30.2780

Conversions

Conversions Part 2

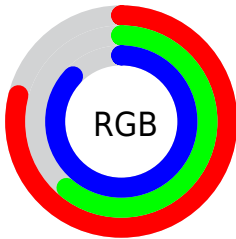
Format	Color
R_{YB}	202, 156, 222
Decimal	13278430
CIE _{Lab}	70.60, 28.79, -26.96
CIE _{LCh}	71, 39.443, 316.886
Yxy	41.6074, 0.2985, 0.2513
Android (android.graphics.Color)	4291468510 (0xFFCA9CDE)
YUV	177.2780, 22.0479, 21.6812
Hunter-Lab	64.5038, 23.8835, -23.3614

Details

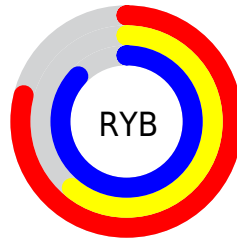
The Yxy color **41.6074, 0.2985, 0.2513** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **63.8870, 0.3227, 0.4119**, and the grayscale version is **43.9993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0685, 0.3147, 0.2861**, and **18.8937, 0.2929, 0.2310** is the 20% darker color. If you saturate the color by 10%, you get **33.9053, 0.2921, 0.2238**, and if you desaturate by 10%, it is **50.7159, 0.3041, 0.2786**.

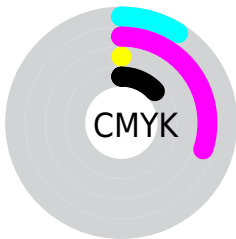
Distribution



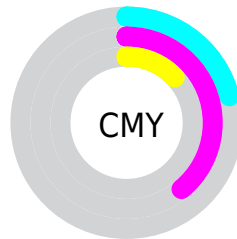
- Red (79%)
- Green (61%)
- Blue (87%)



- Red (79%)
- Yellow (61%)
- Blue (87%)



- Cyan (9%)
- Magenta (30%)
- Yellow (0%)
- Black (13%)




- Cyan (21%)
- Magenta (39%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6074, 0.2985, 0.2513 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 41.6074, 0.2985, 0.2513 by changing the saturation by 10% instead.


 41.6074, 0.2985,
0.2513

 41.6074, 0.2985,
0.2513


352.8529, 0.3065,
0.2884

 28.7940, 0.2963,
0.2426


 77.6051, 0.3016,
0.2644

 18.9250, 0.2934,
0.2317


 101.5582, 0.3027,
0.2694

 11.6161, 0.2893,
0.2178


129.9933, 0.3036,
0.2737

 6.4829, 0.2833,
0.1994

163.2948, 0.3043,
0.2775

 3.1409, 0.2740,
0.1743

201.8471, 0.3050,
0.2807

 1.2057, 0.2578,
0.1385

246.0346, 0.3056,

 0.0664, 0.2417,

0.2836

0.0209

296.2418, 0.3060,
0.2862

0.0000, 0.0000,
0.0000

41.6074, 0.2985,
0.2513

41.6074, 0.2985,
0.2513

33.9053, 0.2921,
0.2238

50.7159, 0.3041,
0.2786

27.5295, 0.2849,
0.1971

61.2946, 0.3088,
0.3049

22.3999, 0.2772,
0.1724

73.4098, 0.3128,
0.3297

18.4254, 0.2690,
0.1507

87.1220, 0.3161,
0.3527

15.5021, 0.2606,
0.1333

94.5740, 0.3197,
0.3624

■ 13.5069, 0.2525,
0.1206

■ 95.7487, 0.3240,
0.3619

■ 12.2299, 0.2447,
0.1122

■ 96.9674, 0.3284,
0.3615

■ 12.1981, 0.2445,
0.1120

■ 98.0544, 0.3321,
0.3611

Harmonies

Analogous

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



41.6074, 0.2489, 0.2391



41.6074, 0.2985, 0.2513



41.6074, 0.3570, 0.2800

Triad

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



41.6074, 0.2985, 0.2513



41.6074, 0.4137, 0.4054



41.6074, 0.2264, 0.3279

Complementary

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



41.6074, 0.2985, 0.2513



63.8870, 0.3227, 0.4119

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.



41.6074, 0.2649, 0.3860



41.6074, 0.2985, 0.2513



41.6074, 0.3731, 0.4311

Square

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



41.6074, 0.2985, 0.2513



41.6074, 0.4269, 0.3644



41.6074, 0.3184, 0.4262



41.6074, 0.2104, 0.2772

Rectangle

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



41.6074, 0.2985, 0.2513



41.6074, 0.3920, 0.3057



41.6074, 0.3184, 0.4262



41.6074, 0.2369, 0.3476

Sweetspot

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



41.6092, 0.2985, 0.2513



84.9226, 0.3091, 0.3065



43.7562, 0.2635, 0.2706



17.6904, 0.3085, 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.



41.6092, 0.2985, 0.2513



49.8333, 0.2944, 0.2333



43.9639, 0.3267, 0.2678



13.7157, 0.3090, 0.3056



7.3055, 0.2456, 0.1127



0.5526, 0.2575, 0.1192

Inverse Universe

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



42.4527, 0.3587, 0.3054



51.2913, 0.3731, 0.3000



62.1489, 0.3013, 0.3992



13.7688, 0.3244, 0.3219



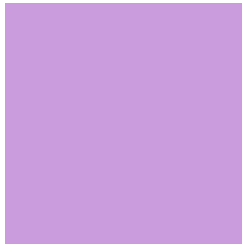
9.4856, 0.5740, 0.2936



0.6731, 0.5299, 0.2693

Previews

White Background



This preview shows how the Yxy color 41.6074, 0.2985, 0.2513 looks on a white background.

Color Contrast Check

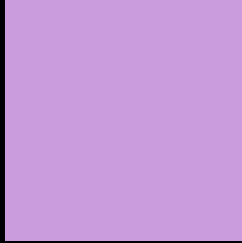
Large Text (above 18pt) WCAG AA × Fail

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 41.6074, 0.2985, 0.2513 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 41.6074, 0.2985, 0.2513

Background



This preview shows how black text looks on a background with the Yxy color 41.6074, 0.2985, 0.2513.



This preview shows how white text looks on a background with the Yxy color 41.6074, 0.2985, 0.2513.

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

41.6074, 0.2985, 0.2513

Protanopia

41.9776, 0.2551, 0.2503

Deuteranopia

41.8633, 0.2712, 0.2660



Tritanopia

41.6867, 0.3303, 0.3136

Trichromacy



Original Color

41.6074, 0.2985, 0.2513

Protanomaly

41.7002, 0.2693, 0.2507

Deuteranomaly

41.5426, 0.2802, 0.2602

Tritanomaly

41.6967, 0.3191, 0.2903

Monochromacy



Original Color

41.6074, 0.2985, 0.2513

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

42.6653, 0.3079, 0.2982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6074, 0.2985, 0.2513 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(202, 156, 222)` looks like.

```
.text, #text, p{  
    color:rgb(202, 156, 222)  
}
```

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(202, 156, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 156, 222) }
```

Border

The CSS property to change the border of an element to Yxy 41.6074, 0.2985, 0.2513 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(202, 156, 222) }
```

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

```
.border{ border-color:rgb(202, 156, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 156, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 156, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 156, 222);  
box-shadow:4px 4px 4px 4px rgb(202, 156,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6074, 0.2985, 0.2513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 156, 222) }
```

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

```
.background{ background-color: rgb(202,  
156, 222) }
```

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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