

Converting Colors

$Y_{xy}(42.1017, 0.2935, 0.2428)$

Have a look what the booklet for
Yxy(42.1017, 0.2935, 0.2428)
contains.

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Color

Yxy(41.9932, 0.2939, 0.2425)

Conversions

Conversions Part 1

Format	Color
Hex	CC9BE6
RGB	204, 155, 230
RGB Percent	80%, 61%, 90%
CMY	0.2002, 0.3920, 0.0981
CMYK	0.11, 0.33, 0.00, 0.10
HSL	279°, 60%, 75%
HSV	279°, 33%, 90%
XYZ	50.8940, 41.9932, 80.2806
YIQ	178.2010, 5.1290, 33.7130

Conversions

Conversions Part 2

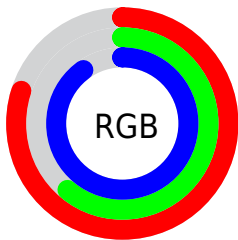
Format	Color
R_{YB}	204, 155, 230
Decimal	13409254
CIE _{Lab}	70.87, 31.60, -30.91
CIE _{LCh}	71, 44.202, 315.626
Yxy	41.9932, 0.2939, 0.2425
Android (android.graphics.Color)	4291599334 (0xFFCC9BE6)
YUV	178.2010, 25.5369, 22.6257
Hunter-Lab	64.8022, 26.7857, -28.0903

Details

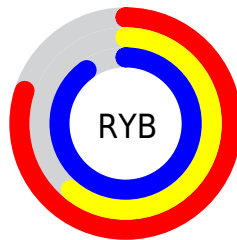
The Yxy color **41.9932, 0.2939, 0.2425** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **68.7905, 0.3258, 0.4206**, and the grayscale version is **44.4925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5732, 0.3148, 0.2851**, and **19.1460, 0.2878, 0.2214** is the 20% darker color. If you saturate the color by 10%, you get **33.9531, 0.2862, 0.2145**, and if you desaturate by 10%, it is **51.5527, 0.3007, 0.2704**.

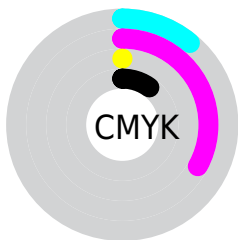
Distribution



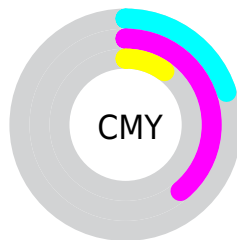
- Red (80%)
- Green (61%)
- Blue (90%)



- Red (80%)
- Yellow (61%)
- Blue (90%)



- Cyan (11%)
- Magenta (33%)
- Yellow (0%)
- Black (10%)




- Cyan (20%)
- Magenta (39%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9932, 0.2939, 0.2425 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 41.9932, 0.2939, 0.2425 by changing the saturation by 10% instead.


 41.9932, 0.2939,
0.2425


 41.9932, 0.2939,
0.2425


354.4547, 0.3043,
0.2834

 29.0960, 0.2911,
0.2330

 78.1893, 0.2979,
0.2568

 19.1534, 0.2874,
0.2213


 102.2570, 0.2993,
0.2624

 11.7812, 0.2822,
0.2064


130.8170, 0.3005,
0.2671

 6.5949, 0.2749,
0.1870

164.2536, 0.3015,
0.2712

 3.2101, 0.2636,
0.1610

202.9513, 0.3023,
0.2749

 1.2424, 0.2448,
0.1249

247.2945, 0.3031,

 0.0959, 0.2213,

0.2780

0.0246

297.6675, 0.3037,
0.2809

0.0000, 0.0000,
0.0000

41.9932, 0.2939,
0.2425

41.9932, 0.2939,
0.2425

33.9531, 0.2862,
0.2145

51.5527, 0.3007,
0.2704

27.3434, 0.2776,
0.1875

62.7036, 0.3066,
0.2973

22.0734, 0.2684,
0.1627

75.5196, 0.3116,
0.3227

18.0399, 0.2590,
0.1413

90.0682, 0.3157,
0.3463

15.1241, 0.2495,
0.1243

96.4485, 0.3203,
0.3538

■ 13.1826, 0.2404,
0.1124

■ 97.9085, 0.3254,
0.3534

■ 12.2045, 0.2339,
0.1062

■ 98.4928, 0.3274,
0.3532

Harmonies

Analogous

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



41.9932, 0.2400, 0.2299



41.9932, 0.2939, 0.2425



41.9932, 0.3592, 0.2731

Triad

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



41.9932, 0.2939, 0.2425



41.9932, 0.4260, 0.4110



41.9932, 0.2183, 0.3299

Complementary

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



41.9932, 0.2939, 0.2425



68.7905, 0.3258, 0.4206

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.



41.9932, 0.2613, 0.3957



41.9932, 0.2939, 0.2425



41.9932, 0.3814, 0.4421

Square

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



41.9932, 0.2939, 0.2425



41.9932, 0.4400, 0.3649



41.9932, 0.3209, 0.4398



41.9932, 0.2001, 0.2727

Rectangle

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



41.9932, 0.2939, 0.2425



41.9932, 0.3991, 0.3009



41.9932, 0.3209, 0.4398



41.9932, 0.2301, 0.3522

Sweetspot

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



41.9950, 0.2939, 0.2425



83.1539, 0.3079, 0.3039



45.8405, 0.2587, 0.2672



17.3289, 0.3072, 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.



41.9950, 0.2939, 0.2425



46.1315, 0.2889, 0.2239



45.3755, 0.3262, 0.2592



14.3515, 0.3083, 0.3054



6.9804, 0.2353, 0.1070



0.5670, 0.2479, 0.1139

Inverse Universe

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



43.6136, 0.3617, 0.2993



48.6085, 0.3760, 0.2931



66.3247, 0.3017, 0.4107



14.4503, 0.3238, 0.3209



9.8723, 0.5581, 0.2848



0.7466, 0.5173, 0.2624

Previews

White Background



This preview shows how the Yxy color 41.9932, 0.2939, 0.2425 looks on a white background.

Color Contrast Check

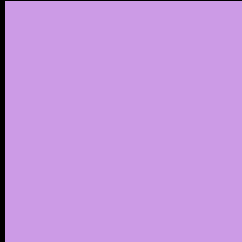
Large Text (above 18pt) WCAG AA × Fail

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 41.9932, 0.2939, 0.2425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

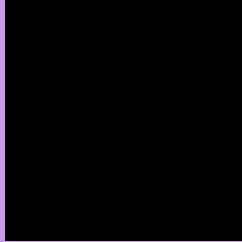
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9932, 0.2939, 0.2425

Background



This preview shows how black text looks on a background with the Yxy color 41.9932, 0.2939, 0.2425.



This preview shows how white text looks on a background with the Yxy color 41.9932, 0.2939, 0.2425.

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

41.9932, 0.2939, 0.2425

Protanopia

42.2120, 0.2479, 0.2404

Deuteranopia

42.3533, 0.2638, 0.2579



Tritanopia

41.8604, 0.3303, 0.3124

Trichromacy



Original Color

41.9932, 0.2939, 0.2425

Protanomaly

41.7412, 0.2626, 0.2399

Deuteranomaly

41.8588, 0.2738, 0.2514

Tritanomaly

41.6631, 0.3166, 0.2845

Monochromacy



Original Color

41.9932, 0.2939, 0.2425

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.3455, 0.3055, 0.2946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9932, 0.2939, 0.2425 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, 155, 230)` looks like.

```
.text, #text, p{  
    color:rgb(204, 155, 230)  
}
```

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, 155, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 155, 230) }
```

Border

The CSS property to change the border of an element to Yxy 41.9932, 0.2939, 0.2425 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, 155, 230) }
```

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

```
.border{ border-color:rgb(204, 155, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 155, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 155, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 155, 230);  
box-shadow:4px 4px 4px 4px rgb(204, 155,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9932, 0.2939, 0.2425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 155, 230) }
```

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

```
.background{ background-color: rgb(204,  
155, 230) }
```

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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