

Converting Colors

$Y_{xy}(41.8022, 0.2874, 0.2396)$

Have a look what the booklet for
Yxy(41.8022, 0.2874, 0.2396)
contains.

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Color

Yxy(41.8022, 0.2874, 0.2396)

Conversions

Conversions Part 1

Format	Color
Hex	C79CE9
RGB	199, 156, 233
RGB Percent	78%, 61%, 91%
CMY	0.2198, 0.3882, 0.0862
CMYK	0.15, 0.33, 0.00, 0.09
HSL	273°, 64%, 76%
HSV	273°, 33%, 91%
XYZ	50.1417, 41.8022, 82.5227
YIQ	177.6350, 0.9110, 33.0630

Conversions

Conversions Part 2

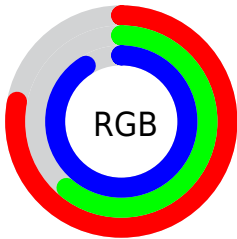
Format	Color
RYB	199, 156, 233
Decimal	13081833
CIELab	70.73, 30.15, -32.81
CIELCh	71, 44.559, 312.587
Yxy	41.8022, 0.2874, 0.2396
Android (android.graphics.Color)	4291271913 (0xFFC79CE9)
YUV	177.6350, 27.2949, 18.7371
Hunter-Lab	64.6546, 25.2868, -30.4173

Details

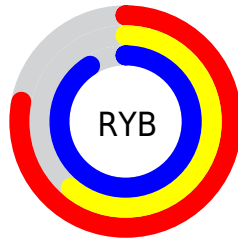
The Yxy color $41.8022, 0.2874, 0.2396$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $71.6404, 0.3311, 0.4205$, and the grayscale version is $44.1707, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.0685, 0.3147, 0.2861$, and $19.0042, 0.2791, 0.2175$ is the 20% darker color. If you saturate the color by 10%, you get $33.3565, 0.2773, 0.2104$, and if you desaturate by 10%, it is $51.8468, 0.2964, 0.2684$.

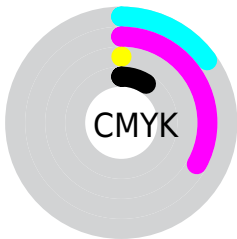
Distribution



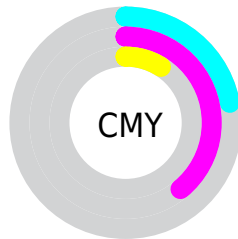
- Red (78%)
- Green (61%)
- Blue (91%)



- Red (78%)
- Yellow (61%)
- Blue (91%)



- Cyan (15%)
- Magenta (33%)
- Yellow (0%)
- Black (9%)





- Cyan (22%)
- Magenta (39%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8022, 0.2874, 0.2396 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 41.8022, 0.2874, 0.2396 by changing the saturation by 10% instead.


 41.8022, 0.2874,
0.2396


 41.8022, 0.2874,
0.2396


353.6623, 0.3010,
0.2819

 28.9464, 0.2838,
0.2298


 77.9002, 0.2925,
0.2544

 19.0403, 0.2791,
0.2177


 101.9112, 0.2944,
0.2601

 11.6994, 0.2727,
0.2024


130.4094, 0.2960,
0.2650

 6.5393, 0.2637,
0.1825

163.7792, 0.2973,
0.2693

 3.1757, 0.2501,
0.1560

202.4050, 0.2984,
0.2730

 1.2241, 0.2281,
0.1195


246.6712, 0.2994,


 0.0813, 0.1991,


0.2763


0.0199


296.9622, 0.3003,
0.2793


 0.0000, 0.0000,
0.0000


 41.8022, 0.2874,
0.2396


 41.8022, 0.2874,
0.2396


 33.3565, 0.2773,
0.2104


 51.8468, 0.2964,
0.2684


 26.4165, 0.2662,
0.1819


 63.5661, 0.3042,
0.2959


 20.8874, 0.2545,
0.1554

 77.0372, 0.3109,
0.3216

 16.6606, 0.2425,
0.1323

 92.3309, 0.3165,
0.3452

 13.6116, 0.2307,
0.1140

 97.8178, 0.3227,
0.3505

■ 11.5894, 0.2198,
0.1009

■ 98.6637, 0.3256,
0.3503

■ 10.6256, 0.2127,
0.0945

Harmonies

Analogous

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



41.8022, 0.2350, 0.2289



41.8022, 0.2874, 0.2396



41.8022, 0.3530, 0.2688

Triad

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



41.8022, 0.2874, 0.2396



41.8022, 0.4301, 0.4073



41.8022, 0.2208, 0.3366

Complementary

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



41.8022, 0.2874, 0.2396



71.6404, 0.3311, 0.4205

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.



41.8022, 0.2663, 0.4025



41.8022, 0.2874, 0.2396



41.8022, 0.3875, 0.4412

Square

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



41.8022, 0.2874, 0.2396



41.8022, 0.4405, 0.3601



41.8022, 0.3273, 0.4432



41.8022, 0.1998, 0.2769

Rectangle

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



41.8022, 0.2874, 0.2396



41.8022, 0.3944, 0.2961



41.8022, 0.3273, 0.4432



41.8022, 0.2335, 0.3593

Sweetspot

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



41.8039, 0.2874, 0.2396



82.7190, 0.3063, 0.3038



50.0696, 0.2591, 0.2761



17.2236, 0.3053, 0.3001



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.



41.8039, 0.2874, 0.2396



43.6873, 0.2803, 0.2187



46.7752, 0.3198, 0.2507



14.9632, 0.3067, 0.3053



6.1033, 0.2142, 0.0953



0.5361, 0.2283, 0.1031

Inverse Universe

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



44.8300, 0.3555, 0.2908



48.1250, 0.3687, 0.2824



67.8864, 0.3059, 0.4222



15.1648, 0.3224, 0.3186



10.4101, 0.5200, 0.2638



0.8365, 0.4856, 0.2448

Previews

White Background



This preview shows how the Yxy color 41.8022, 0.2874, 0.2396 looks on a white background.

Color Contrast Check

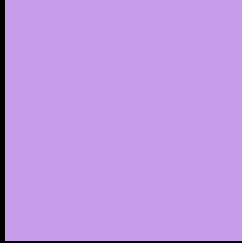
Large Text (above 18pt) WCAG AA × Fail

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 41.8022, 0.2874, 0.2396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

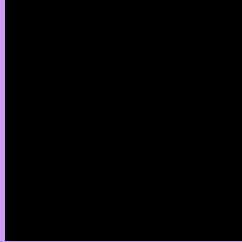
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8022, 0.2874, 0.2396

Background



This preview shows how black text looks on a background with the Yxy color 41.8022, 0.2874, 0.2396.



This preview shows how white text looks on a background with the Yxy color 41.8022, 0.2874, 0.2396.

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

41.8022, 0.2874, 0.2396

Protanopia

42.1415, 0.2455, 0.2380

Deuteranopia

42.2099, 0.2598, 0.2541



Tritanopia

41.8799, 0.3227, 0.3122

Trichromacy



Original Color

41.8022, 0.2874, 0.2396

Protanomaly

41.8885, 0.2593, 0.2386

Deuteranomaly

42.0406, 0.2695, 0.2489

Tritanomaly

41.6554, 0.3094, 0.2839

Monochromacy



Original Color

41.8022, 0.2874, 0.2396

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.2658, 0.3039, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8022, 0.2874, 0.2396 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(199, 156, 233)` looks like.

```
.text, #text, p{  
    color:rgb(199, 156, 233)  
}
```

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(199, 156, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 156, 233) }
```

Border

The CSS property to change the border of an element to Yxy 41.8022, 0.2874, 0.2396 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(199, 156, 233) }
```

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

```
.border{ border-color:rgb(199, 156, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 156, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 156, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 156, 233);  
box-shadow:4px 4px 4px 4px rgb(199, 156,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8022, 0.2874, 0.2396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 156, 233) }
```

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

```
.background{ background-color: rgb(199,  
156, 233) }
```

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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