

Converting Colors

$Y_{xy}(41.0355, 0.2795, 0.2398)$

Have a look what the booklet for
Yxy(41.0355, 0.2795, 0.2398)
contains.

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Color

Yxy(41.1557, 0.2793, 0.2399)

Conversions

Conversions Part 1

Format	Color
Hex	BD9EE9
RGB	189, 158, 233
RGB Percent	74%, 62%, 91%
CMY	0.2589, 0.3803, 0.0864
CMYK	0.19, 0.32, 0.00, 0.09
HSL	265°, 63%, 77%
HSV	265°, 32%, 91%
XYZ	47.9149, 41.1557, 82.4830
YIQ	175.8190, -5.5990, 29.8970

Conversions

Conversions Part 2

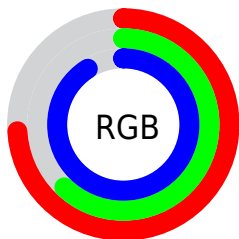
Format	Color
R_{YB}	189, 158, 233
Decimal	12426985
CIE _{Lab}	70.28, 26.02, -33.55
CIE _{LCh}	70, 42.458, 307.793
Yxy	41.1557, 0.2793, 0.2399
Android (android.graphics.Color)	4290617065 (0xFFBD9EE9)
YUV	175.8190, 28.1902, 11.5597
Hunter-Lab	64.1527, 21.0523, -31.3239

Details

The Yxy color $41.1557, 0.2793, 0.2399$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $73.2826, 0.3384, 0.4157$, and the grayscale version is $43.1700, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.4013, 0.3083, 0.2873$, and $18.6333, 0.2694, 0.2175$ is the 20% darker color. If you saturate the color by 10%, you get $32.2817, 0.2659, 0.2090$, and if you desaturate by 10%, it is $51.7042, 0.2913, 0.2698$.

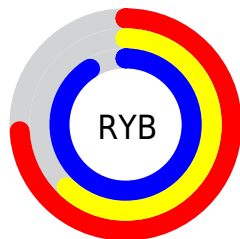
Distribution



Red (74%)

Green (62%)

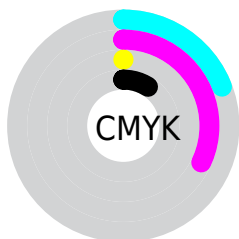
Blue (91%)



Red (74%)

Yellow (62%)

Blue (91%)

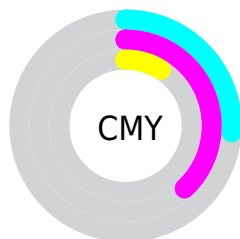


Cyan (19%)

Magenta (32%)

Yellow (0%)

Black (9%)



Cyan (26%)


Magenta (38%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1557, 0.2793, 0.2399 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 41.1557, 0.2793, 0.2399 by changing the saturation by 10% instead.


 41.1557, 0.2793,
0.2399

 41.1557, 0.2793,
0.2399


350.9709, 0.2968,
0.2823

 28.4408, 0.2748,
0.2300


 76.9202, 0.2858,
0.2548

 18.6582, 0.2689,
0.2178


 100.7385, 0.2882,
0.2605

 11.4235, 0.2610,
0.2023


129.0268, 0.2902,
0.2655

 6.3525, 0.2499,
0.1820

162.1694, 0.2920,
0.2697

 3.0606, 0.2336,
0.1549

200.5507, 0.2934,
0.2735

 1.1634, 0.2077,
0.1176

244.5552, 0.2947,

 0.0315, 0.1713,

0.2768

0.0081

294.5671, 0.2959,
0.2797

0.0000, 0.0000,
0.0000

41.1557, 0.2793,
0.2399

41.1557, 0.2793,
0.2399

32.2817, 0.2659,
0.2090

51.7042, 0.2913,
0.2698

24.9874, 0.2514,
0.1781

64.0051, 0.3019,
0.2979

19.1757, 0.2362,
0.1489

78.1374, 0.3109,
0.3237

14.7365, 0.2211,
0.1231

94.1739, 0.3187,
0.3471

11.5437, 0.2067,
0.1022

98.6612, 0.3256,
0.3503

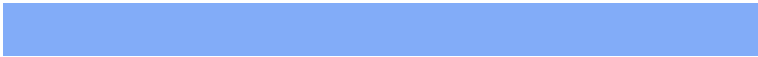
■ 9.4461, 0.1939,
0.0873

■ 8.3833, 0.1852,
0.0794

Harmonies

Analogous

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



41.1557, 0.2318, 0.2329



41.1557, 0.2793, 0.2399



41.1557, 0.3412, 0.2656

Triad

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



41.1557, 0.2793, 0.2399



41.1557, 0.4294, 0.3980



41.1557, 0.2300, 0.3468

Complementary

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



41.1557, 0.2793, 0.2399



73.2826, 0.3384, 0.4157

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.



41.1557, 0.2771, 0.4077



41.1557, 0.2793, 0.2399



41.1557, 0.3929, 0.4331

Square

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



41.1557, 0.2793, 0.2399



41.1557, 0.4332, 0.3517



41.1557, 0.3368, 0.4404



41.1557, 0.2056, 0.2872

Rectangle

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



41.1557, 0.2793, 0.2399



41.1557, 0.3821, 0.2907



41.1557, 0.3368, 0.4404



41.1557, 0.2435, 0.3684

Sweetspot

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



41.1574, 0.2793, 0.2399



82.0678, 0.3039, 0.3036



55.8566, 0.2623, 0.2921



17.0662, 0.3025, 0.2998



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.



41.1574, 0.2793, 0.2399



42.6695, 0.2700, 0.2182



46.4231, 0.3100, 0.2476



14.8529, 0.3044, 0.3051



4.8271, 0.1868, 0.0803



0.4342, 0.2023, 0.0888

Inverse Universe

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



46.0402, 0.3438, 0.2802



49.7360, 0.3530, 0.2694



68.7816, 0.3131, 0.4229



15.2023, 0.3201, 0.3153



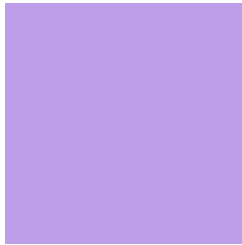
10.8751, 0.4593, 0.2304



0.8730, 0.4348, 0.2169

Previews

White Background



This preview shows how the Yxy color 41.1557, 0.2793, 0.2399 looks on a white background.

Color Contrast Check

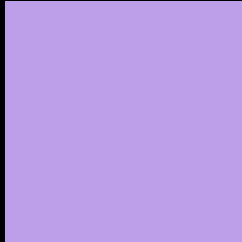
Large Text (above 18pt) WCAG AA × Fail

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 41.1557, 0.2793, 0.2399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

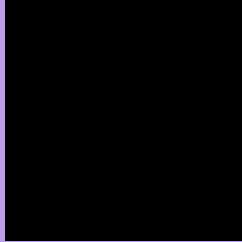
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.1557, 0.2793, 0.2399

Background



This preview shows how black text looks on a background with the Yxy color 41.1557, 0.2793, 0.2399.



This preview shows how white text looks on a background with the Yxy color 41.1557, 0.2793, 0.2399.

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

41.1557, 0.2793, 0.2399

Protanopia

41.2708, 0.2462, 0.2375

Deuteranopia

41.2134, 0.2567, 0.2500



Tritanopia

41.0448, 0.3126, 0.3117

Trichromacy



Original Color

41.1557, 0.2793, 0.2399

Protanomaly

41.0348, 0.2569, 0.2377

Deuteranomaly

41.0613, 0.2642, 0.2456

Tritanomaly

40.7883, 0.2997, 0.2828

Monochromacy



Original Color

41.1557, 0.2793, 0.2399

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.2309, 0.3003, 0.2928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1557, 0.2793, 0.2399 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(189, 158, 233)` looks like.

```
.text, #text, p{  
    color:rgb(189, 158, 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(189, 158, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 158, 233) }
```

Border

The CSS property to change the border of an element to Yxy 41.1557, 0.2793, 0.2399 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(189, 158, 233) }
```

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

```
.border{ border-color:rgb(189, 158, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 158, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 158, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 158, 233);  
box-shadow:4px 4px 4px 4px rgb(189, 158,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1557, 0.2793, 0.2399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 158, 233) }
```

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

```
.background{ background-color: rgb(189,  
158, 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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