

Converting Colors

$Y_{xy}(39.5879, 0.2807, 0.2435)$

Have a look what the booklet for
Yxy(39.5879, 0.2807, 0.2435)
contains.

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Color

Yxy(39.5822, 0.2809, 0.2437)

Conversions

Conversions Part 1

Format	Color
Hex	B99CE2
RGB	185, 156, 226
RGB Percent	73%, 61%, 89%
CMY	0.2746, 0.3882, 0.1136
CMYK	0.18, 0.31, 0.00, 0.11
HSL	265°, 55%, 75%
HSV	265°, 31%, 89%
XYZ	45.6243, 39.5822, 77.2153
YIQ	172.6510, -5.1860, 27.9180

Conversions

Conversions Part 2

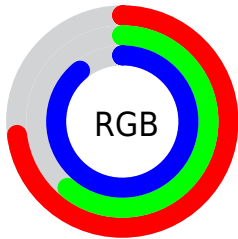
Format	Color
R _Y B	185, 156, 226
Decimal	12164322
CIE Lab	69.17, 24.38, -31.51
CIE LCh	69, 39.834, 307.729
Yxy	39.5822, 0.2809, 0.2437
Android (android.graphics.Color)	4290354402 (0xFFB99CE2)
YUV	172.6510, 26.3011, 10.8301
Hunter-Lab	62.9144, 19.3446, -28.7270

Details

The Yxy color **39.5822, 0.2809, 0.2437** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **68.6939, 0.3374, 0.4121**, and the grayscale version is **41.4685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6858, 0.3055, 0.2848**, and **17.6282, 0.2713, 0.2218** is the 20% darker color. If you saturate the color by 10%, you get **31.1184, 0.2677, 0.2129**, and if you desaturate by 10%, it is **49.6144, 0.2927, 0.2734**.

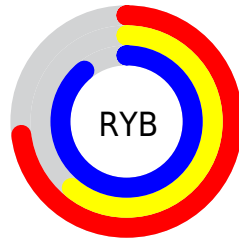
Distribution



Red (73%)

Green (61%)

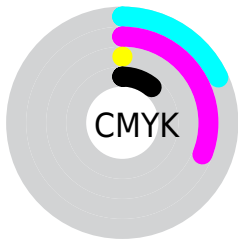
Blue (89%)



Red (73%)

Yellow (61%)

Blue (89%)

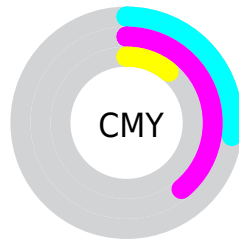


Cyan (18%)

Magenta (31%)

Yellow (0%)

Black (11%)



Cyan (27%)


Magenta (39%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5822, 0.2809, 0.2437 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 39.5822, 0.2809, 0.2437 by changing the saturation by 10% instead.


 39.5822, 0.2809,
0.2437


 39.5822, 0.2809,
0.2437


344.3595, 0.2977,
0.2847

 27.2129, 0.2765,
0.2340


 74.5269, 0.2872,
0.2582

 17.7332, 0.2708,
0.2220


 97.8711, 0.2895,
0.2638

 10.7586, 0.2630,
0.2065

125.6424, 0.2914,
0.2685

 5.9048, 0.2521,
0.1862

158.2252, 0.2931,
0.2727

 2.7873, 0.2357,
0.1586

196.0040, 0.2945,
0.2763

 1.0217, 0.2092,
0.1198

239.3630, 0.2957,

 0.0000, 0.1629,

0.2794


0.0000

288.6867, 0.2968,
0.2822


 0.0000, 0.0000,
0.0000


 39.5822, 0.2809,
0.2437


 39.5822, 0.2809,
0.2437


 31.1184, 0.2677,
0.2129


 49.6144, 0.2927,
0.2734


 24.1356, 0.2533,
0.1820


 61.2864, 0.3030,
0.3011


 18.5448, 0.2383,
0.1526

 74.6714, 0.3119,
0.3266

 14.2454, 0.2231,
0.1263

 89.8361, 0.3195,
0.3497

 11.1224, 0.2086,
0.1047

 97.5670, 0.3273,
0.3573

■ 9.0391, 0.1956,
0.0890

■ 98.2732, 0.3297,
0.3571

■ 7.8479, 0.1855,
0.0795

Harmonies

Analogous

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



39.5822, 0.2354, 0.2372



39.5822, 0.2809, 0.2437



39.5822, 0.3398, 0.2683

Triad

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



39.5822, 0.2809, 0.2437



39.5822, 0.4239, 0.3952



39.5822, 0.2340, 0.3463

Complementary

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



39.5822, 0.2809, 0.2437



68.6939, 0.3374, 0.4121

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.



39.5822, 0.2792, 0.4035



39.5822, 0.2809, 0.2437



39.5822, 0.3895, 0.4282

Square

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



39.5822, 0.2809, 0.2437



39.5822, 0.4272, 0.3511



39.5822, 0.3361, 0.4346



39.5822, 0.2103, 0.2897

Rectangle

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



39.5822, 0.2809, 0.2437



39.5822, 0.3786, 0.2925



39.5822, 0.3361, 0.4346



39.5822, 0.2470, 0.3666

Sweetspot

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



39.5838, 0.2809, 0.2437



83.7583, 0.3048, 0.3062



52.9617, 0.2643, 0.2937



17.4035, 0.3035, 0.3024



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.



39.5838, 0.2809, 0.2437



44.8240, 0.2728, 0.2245



44.3375, 0.3102, 0.2507



13.5189, 0.3045, 0.3052



4.5413, 0.1871, 0.0804



0.3663, 0.2045, 0.0900

Inverse Universe

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



43.9879, 0.3423, 0.2822



51.5835, 0.3503, 0.2725



64.6025, 0.3131, 0.4187



13.8347, 0.3201, 0.3153



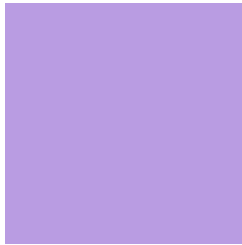
10.2066, 0.4591, 0.2303



0.7252, 0.4320, 0.2154

Previews

White Background



This preview shows how the Yxy color 39.5822, 0.2809, 0.2437 looks on a white background.

Color Contrast Check

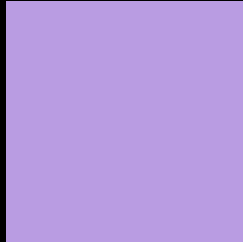
Large Text (above 18pt) WCAG AA × Fail

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 39.5822, 0.2809, 0.2437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

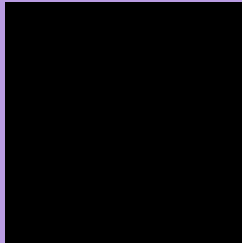
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.5822, 0.2809, 0.2437

Background



This preview shows how black text looks on a background with the Yxy color 39.5822, 0.2809, 0.2437.



This preview shows how white text looks on a background with the Yxy color 39.5822, 0.2809, 0.2437.

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

39.5822, 0.2809, 0.2437

Protanopia

39.9675, 0.2497, 0.2431

Deuteranopia

39.6228, 0.2599, 0.2536



Tritanopia

39.4717, 0.3126, 0.3114

Trichromacy



Original Color

39.5822, 0.2809, 0.2437

Protanomaly

39.6453, 0.2601, 0.2431

Deuteranomaly

39.3839, 0.2669, 0.2489

Tritanomaly

39.4841, 0.3011, 0.2858

Monochromacy



Original Color

39.5822, 0.2809, 0.2437

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

40.7903, 0.3009, 0.2960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5822, 0.2809, 0.2437 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(185, 156, 226)` looks like.

```
.text, #text, p{  
    color:rgb(185, 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(185, 156, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 156, 226) }
```

Border

The CSS property to change the border of an element to Yxy 39.5822, 0.2809, 0.2437 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(185, 156, 226) }
```

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

```
.border{ border-color:rgb(185, 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(185, 156, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 156, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 156, 226);  
box-shadow:4px 4px 4px 4px rgb(185, 156,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5822, 0.2809, 0.2437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 156, 226) }
```

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

```
.background{ background-color: rgb(185,  
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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