

Converting Colors

$Y_{xy}(40.0349, 0.2698, 0.2235)$

Have a look what the booklet for
Yxy(40.0349, 0.2698, 0.2235)
contains.

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Color

Yxy(39.8789, 0.2696, 0.2230)

Conversions

Conversions Part 1

Format	Color
Hex	BB99F4
RGB	187, 153, 244
RGB Percent	73%, 60%, 96%
CMY	0.2667, 0.4000, 0.0432
CMYK	0.23, 0.37, 0.00, 0.04
HSL	262°, 81%, 78%
HSV	262°, 37%, 96%
XYZ	48.2123, 39.8789, 90.7379
YIQ	173.5400, -8.9470, 35.5090

Conversions

Conversions Part 2

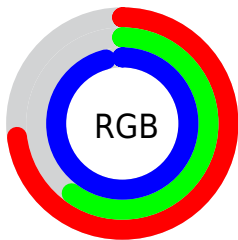
Format	Color
R_{YB}	187, 153, 244
Decimal	12294644
CIE _{Lab}	69.38, 30.73, -41.00
CIE _{LCh}	69, 51.233, 306.852
Yxy	39.8789, 0.2696, 0.2230
Android (android.graphics.Color)	4290484724 (0xFFBB99F4)
YUV	173.5400, 34.7368, 11.8044
Hunter-Lab	63.1497, 25.7657, -40.9871

Details

The Yxy color $39.8789, 0.2696, 0.2230$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $80.6987, 0.3446, 0.4300$, and the grayscale version is $41.9027, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.5648, 0.3070, 0.2820$, and $17.8008, 0.2566, 0.1974$ is the 20% darker color. If you saturate the color by 10%, you get $30.8670, 0.2546, 0.1913$, and if you desaturate by 10%, it is $50.7320, 0.2833, 0.2541$.

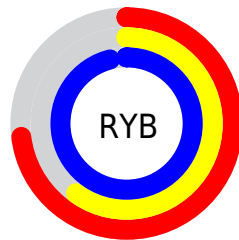
Distribution



Red (73%)

Green (60%)

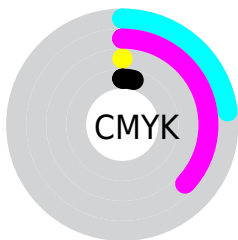
Blue (96%)



Red (73%)

Yellow (60%)

Blue (96%)

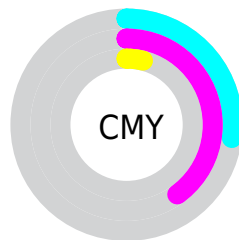


Cyan (23%)

Magenta (37%)

Yellow (0%)

Black (4%)



Cyan (27%)


Magenta (40%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8789, 0.2696, 0.2230 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 39.8789, 0.2696, 0.2230 by changing the saturation by 10% instead.


 39.8789, 0.2696,
0.2230


 39.8789, 0.2696,
0.2230


345.6129, 0.2922,
0.2728

 27.4441, 0.2638,
0.2117


 74.9791, 0.2780,
0.2403

 17.9071, 0.2563,
0.1977


 98.4133, 0.2811,
0.2470

 10.8833, 0.2464,
0.1803


126.2827, 0.2837,
0.2528

 5.9884, 0.2328,
0.1581

158.9719, 0.2859,
0.2579

 2.8380, 0.2130,
0.1292

196.8650, 0.2878,
0.2623

 1.0478, 0.1831,
0.0917

240.3467, 0.2895,

 0.0000, 0.1406,

0.2662

0.0000

289.8012, 0.2909,
0.2697

0.0000, 0.0000,
0.0000

39.8789, 0.2696,
0.2230

39.8789, 0.2696,
0.2230

30.8670, 0.2546,
0.1913

50.7320, 0.2833,
0.2541

23.5849, 0.2388,
0.1605

63.5194, 0.2954,
0.2835

17.9163, 0.2227,
0.1322

78.3334, 0.3060,
0.3107

13.7280, 0.2073,
0.1082

95.2589, 0.3150,
0.3355

10.8642, 0.1933,
0.0901

99.3112, 0.3191,
0.3396

■ 9.1237, 0.1815,
0.0783

■ 8.7634, 0.1787,
0.0758

Harmonies

Analogous

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



39.8789, 0.2147, 0.2150



39.8789, 0.2696, 0.2230



39.8789, 0.3442, 0.2523

Triad

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



39.8789, 0.2696, 0.2230



39.8789, 0.4538, 0.4069



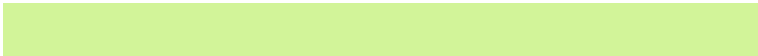
39.8789, 0.2143, 0.3523

Complementary

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



39.8789, 0.2696, 0.2230



80.6987, 0.3446, 0.4300

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.



39.8789, 0.2704, 0.4291



39.8789, 0.2696, 0.2230



39.8789, 0.4092, 0.4527

Square

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



39.8789, 0.2696, 0.2230



39.8789, 0.4588, 0.3516



39.8789, 0.3418, 0.4671



39.8789, 0.1858, 0.2786

Rectangle

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



39.8789, 0.2696, 0.2230



39.8789, 0.3949, 0.2811



39.8789, 0.3418, 0.4671



39.8789, 0.2303, 0.3796

Sweetspot

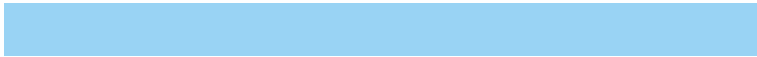
The Sweet Spot groups the original color and five complimentary colors.



39.8805, 0.2696, 0.2230



80.2094, 0.3022, 0.3008



59.7096, 0.2548, 0.2889



16.6880, 0.3008, 0.2971



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.



39.8805, 0.2696, 0.2230



36.1315, 0.2580, 0.1982



46.4483, 0.3067, 0.2337



16.2283, 0.3038, 0.3049



4.8369, 0.1803, 0.0767



0.4817, 0.1941, 0.0843

Inverse Universe

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



46.6694, 0.3471, 0.2685



44.8493, 0.3572, 0.2561



75.0113, 0.3147, 0.4401



16.6572, 0.3195, 0.3143



11.7329, 0.4434, 0.2216



1.0511, 0.4239, 0.2109

Previews

White Background



This preview shows how the Yxy color 39.8789, 0.2696, 0.2230 looks on a white background.

Color Contrast Check

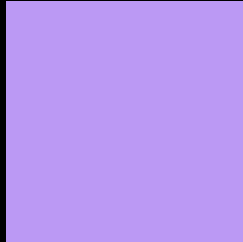
Large Text (above 18pt) WCAG AA × Fail

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 39.8789, 0.2696, 0.2230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

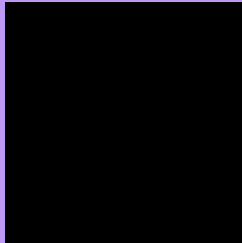
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8789, 0.2696, 0.2230

Background



This preview shows how black text looks on a background with the Yxy color 39.8789, 0.2696, 0.2230.



This preview shows how white text looks on a background with the Yxy color 39.8789, 0.2696, 0.2230.

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

39.8789, 0.2696, 0.2230

Protanopia

40.3464, 0.2323, 0.2205

Deuteranopia

40.1958, 0.2421, 0.2362



Tritanopia

39.6817, 0.3090, 0.3100

Trichromacy



Original Color

39.8789, 0.2696, 0.2230

Protanomaly

39.8736, 0.2439, 0.2208

Deuteranomaly

39.9761, 0.2512, 0.2313

Tritanomaly

39.3852, 0.2937, 0.2747

Monochromacy



Original Color

39.8789, 0.2696, 0.2230

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

40.9797, 0.2970, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8789, 0.2696, 0.2230 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(187, 153, 244)` looks like.

```
.text, #text, p{  
    color:rgb(187, 153, 244)  
}
```

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(187, 153, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 153, 244) }
```

Border

The CSS property to change the border of an element to Yxy 39.8789, 0.2696, 0.2230 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(187, 153, 244) }
```

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

```
.border{ border-color:rgb(187, 153, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 153, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 153, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 153, 244);  
box-shadow:4px 4px 4px 4px rgb(187, 153,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8789, 0.2696, 0.2230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 153, 244) }
```

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

```
.background{ background-color: rgb(187,  
153, 244) }
```

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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