

Converting Colors

$Y_{xy}(39.5524, 0.2760, 0.2320)$

Have a look what the booklet for
Yxy(39.5524, 0.2760, 0.2320)
contains.

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Color

Yxy(39.3454, 0.2759, 0.2315)

Conversions

Conversions Part 1

Format	Color
Hex	BB99EB
RGB	187, 153, 235
RGB Percent	73%, 60%, 92%
CMY	0.2664, 0.4001, 0.0784
CMYK	0.20, 0.35, 0.00, 0.08
HSL	265°, 67%, 76%
HSV	265°, 35%, 92%
XYZ	46.8916, 39.3454, 83.7216
YIQ	172.5140, -6.0580, 32.7100

Conversions

Conversions Part 2

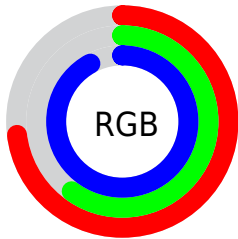
Format	Color
R _Y B	187, 153, 235
Decimal	12294635
CIE _{Lab}	69.00, 28.70, -36.67
CIE _{LCh}	69, 46.569, 308.047
Y _{xy}	39.3454, 0.2759, 0.2315
Android (android.graphics.Color)	4290484715 (0xFFBB99EB)
Y _{UV}	172.5140, 30.8056, 12.7042
Hunter-Lab	62.7259, 23.6696, -35.2275

Details

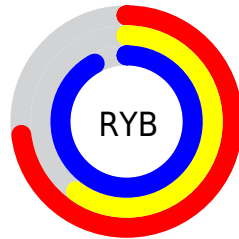
The Yxy color $39.3454, 0.2759, 0.2315$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $74.1235, 0.3402, 0.4237$, and the grayscale version is $41.3755, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.5648, 0.3070, 0.2820$, and $17.6629, 0.2638, 0.2079$ is the 20% darker color. If you saturate the color by 10%, you get $30.7473, 0.2622, 0.2005$, and if you desaturate by 10%, it is $49.6271, 0.2883, 0.2618$.

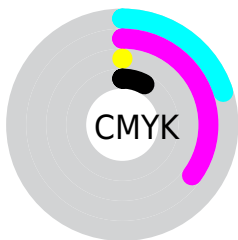
Distribution



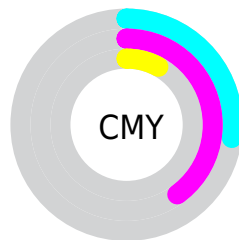
- Red (73%)
- Green (60%)
- Blue (92%)



- Red (73%)
- Yellow (60%)
- Blue (92%)



- Cyan (20%)
- Magenta (35%)
- Yellow (0%)
- Black (8%)





- Cyan (27%)
- Magenta (40%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3454, 0.2759, 0.2315 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 39.3454, 0.2759, 0.2315 by changing the saturation by 10% instead.


 39.3454, 0.2759,
0.2315


 39.3454, 0.2759,
0.2315


343.3568, 0.2954,
0.2778

 27.0285, 0.2708,
0.2208


 74.1657, 0.2832,
0.2477

 17.5947, 0.2643,
0.2075


 97.4379, 0.2858,
0.2540

 10.6594, 0.2554,
0.1907


125.1306, 0.2881,
0.2594

 5.8383, 0.2431,
0.1690

157.6284, 0.2900,
0.2641

 2.7470, 0.2249,
0.1403

195.3154, 0.2916,
0.2682

 1.0011, 0.1963,
0.1017

238.5763, 0.2930,


 0.0000, 0.1517,

0.2718

0.0000

287.7952, 0.2943,
0.2750

 0.0000, 0.0000,
0.0000

 39.3454, 0.2759,
0.2315


 39.3454, 0.2759,
0.2315


 30.7473, 0.2622,
0.2005


 49.6271, 0.2883,
0.2618

 23.7340, 0.2475,
0.1699


 61.6742, 0.2992,
0.2904

 18.2035, 0.2323,
0.1415

 75.5686, 0.3086,
0.3169

 14.0397, 0.2173,
0.1169

 91.3858, 0.3167,
0.3410

 11.1077, 0.2034,
0.0976

 98.7783, 0.3244,
0.3483

■ 9.2432, 0.1911,
0.0845

■ 8.5759, 0.1855,
0.0796

Harmonies

Analogous

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



39.3454, 0.2239, 0.2234



39.3454, 0.2759, 0.2315



39.3454, 0.3447, 0.2596

Triad

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



39.3454, 0.2759, 0.2315



39.3454, 0.4415, 0.4041



39.3454, 0.2208, 0.3478

Complementary

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



39.3454, 0.2759, 0.2315



74.1235, 0.3402, 0.4237

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.



39.3454, 0.2721, 0.4171



39.3454, 0.2759, 0.2315



39.3454, 0.4001, 0.4442

Square

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



39.3454, 0.2759, 0.2315



39.3454, 0.4469, 0.3532



39.3454, 0.3378, 0.4539



39.3454, 0.1949, 0.2813

Rectangle

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



39.3454, 0.2759, 0.2315



39.3454, 0.3904, 0.2869



39.3454, 0.3378, 0.4539



39.3454, 0.2354, 0.3723

Sweetspot

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



39.3470, 0.2759, 0.2315



82.0779, 0.3039, 0.3036



55.1005, 0.2580, 0.2884



17.0686, 0.3026, 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.



39.3470, 0.2759, 0.2315



39.6279, 0.2660, 0.2089



45.0725, 0.3096, 0.2406



14.8547, 0.3045, 0.3051



4.8436, 0.1872, 0.0805



0.4356, 0.2027, 0.0890

Inverse Universe

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



44.6516, 0.3475, 0.2761



47.0863, 0.3575, 0.2651



69.3134, 0.3130, 0.4322



15.2017, 0.3201, 0.3153



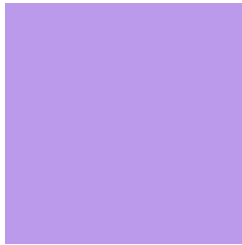
10.8666, 0.4602, 0.2309



0.8724, 0.4356, 0.2173

Previews

White Background



This preview shows how the Yxy color 39.3454, 0.2759, 0.2315 looks on a white background.

Color Contrast Check

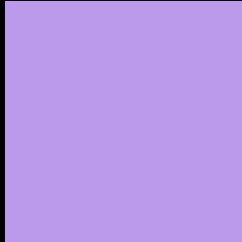
Large Text (above 18pt) WCAG AA × Fail

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 39.3454, 0.2759, 0.2315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

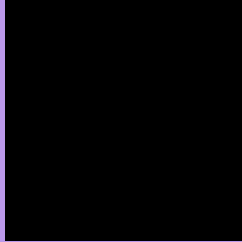
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.3454, 0.2759, 0.2315

Background



This preview shows how black text looks on a background with the Yxy color 39.3454, 0.2759, 0.2315.



This preview shows how white text looks on a background with the Yxy color 39.3454, 0.2759, 0.2315.

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

39.3454, 0.2759, 0.2315

Protanopia

39.7046, 0.2395, 0.2295

Deuteranopia

39.3945, 0.2500, 0.2437



Tritanopia

39.4717, 0.3126, 0.3114

Trichromacy



Original Color

39.3454, 0.2759, 0.2315

Protanomaly

39.2115, 0.2515, 0.2298

Deuteranomaly

39.0543, 0.2586, 0.2384

Tritanomaly

39.4370, 0.2987, 0.2798

Monochromacy



Original Color

39.3454, 0.2759, 0.2315

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

40.7229, 0.2985, 0.2897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3454, 0.2759, 0.2315 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(187, 153, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 153, 235) }
```

Border

The CSS property to change the border of an element to Yxy 39.3454, 0.2759, 0.2315 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, 235) }
```

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

```
.border{ border-color:rgb(187, 153, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 153, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 153, 235);  
box-shadow:4px 4px 4px 4px rgb(187, 153,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3454, 0.2759, 0.2315 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, 235) }
```

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

```
.background{ background-color: rgb(187,  
153, 235) }
```

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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