

Converting Colors

$Y_{xy}(38.5370, 0.2778, 0.2406)$

Have a look what the booklet for
Yxy(38.5370, 0.2778, 0.2406)
contains.

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Color

Yxy(38.4259, 0.2775, 0.2405)

Conversions

Conversions Part 1

Format	Color
Hex	B59AE2
RGB	181, 154, 226
RGB Percent	71%, 60%, 89%
CMY	0.2902, 0.3961, 0.1138
CMYK	0.20, 0.32, 0.00, 0.11
HSL	263°, 55%, 75%
HSV	263°, 32%, 89%
XYZ	44.3376, 38.4259, 77.0116
YIQ	170.2810, -7.0200, 28.1160

Conversions

Conversions Part 2

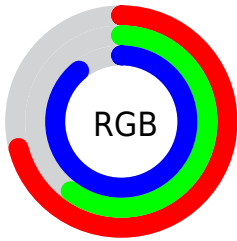
Format	Color
R_{YB}	181, 154, 226
Decimal	11901666
CIE _{Lab}	68.33, 24.27, -32.79
CIE _{LCh}	68, 40.797, 306.506
Yxy	38.4259, 0.2775, 0.2405
Android (android.graphics.Color)	4290091746 (0xFFB59AE2)
YUV	170.2810, 27.4695, 9.4006
Hunter-Lab	61.9886, 19.1926, -30.2669

Details

The Yxy color $38.4259, 0.2775, 0.2405$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $68.8489, 0.3402, 0.4140$, and the grayscale version is $40.2100, 0.3127, 0.3290$.

A 20% lighter version of the original color is $70.9981, 0.3027, 0.2824$, and $17.1148, 0.2667, 0.2188$ is the 20% darker color. If you saturate the color by 10%, you get $30.0357, 0.2633, 0.2092$, and if you desaturate by 10%, it is $48.3962, 0.2902, 0.2706$.

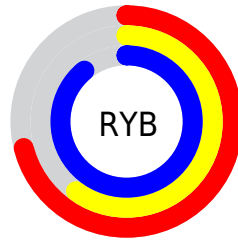
Distribution



Red (71%)

Green (60%)

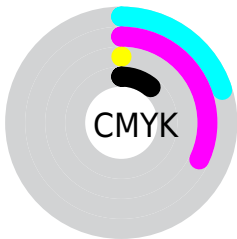
Blue (89%)



Red (71%)

Yellow (60%)

Blue (89%)

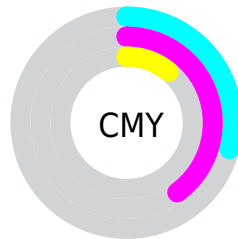


Cyan (20%)

Magenta (32%)

Yellow (0%)

Black (11%)



Cyan (29%)


Magenta (40%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4259, 0.2775, 0.2405 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 38.4259, 0.2775, 0.2405 by changing the saturation by 10% instead.


 38.4259, 0.2775,
0.2405


 38.4259, 0.2775,
0.2405


339.4435, 0.2961,
0.2832

 26.3134, 0.2726,
0.2304


 72.7605, 0.2844,
0.2556

 17.0583, 0.2663,
0.2178

 95.7513, 0.2870,
0.2614

 10.2760, 0.2578,
0.2017


123.1371, 0.2891,
0.2664

 5.5824, 0.2457,
0.1806

155.3022, 0.2910,
0.2706

 2.5928, 0.2276,
0.1519

192.6310, 0.2925,
0.2744

 0.9231, 0.1987,
0.1120

235.5078, 0.2939,

 0.0000, 0.1388,

0.2777

0.0000

284.3172, 0.2951,
0.2806

0.0000, 0.0000,
0.0000

38.4259, 0.2775,
0.2405

38.4259, 0.2775,
0.2405

30.0357, 0.2633,
0.2092

48.3962, 0.2902,
0.2706

23.1369, 0.2480,
0.1778

60.0195, 0.3014,
0.2987

17.6388, 0.2321,
0.1480

73.3701, 0.3111,
0.3245

13.4386, 0.2163,
0.1215

88.5159, 0.3193,
0.3478

10.4189, 0.2014,
0.0999

97.6302, 0.3276,
0.3574

■ 8.4393, 0.1884,
0.0846

■ 98.2695, 0.3298,
0.3572

■ 7.4113, 0.1793,
0.0762

Harmonies

Analogous

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



38.4259, 0.2315, 0.2345



38.4259, 0.2775, 0.2405



38.4259, 0.3381, 0.2651

Triad

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



38.4259, 0.2775, 0.2405



38.4259, 0.4284, 0.3953



38.4259, 0.2329, 0.3493

Complementary

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



38.4259, 0.2775, 0.2405



68.8489, 0.3402, 0.4140

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.



38.4259, 0.2802, 0.4083



38.4259, 0.2775, 0.2405



38.4259, 0.3937, 0.4304

Square

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



38.4259, 0.2775, 0.2405



38.4259, 0.4305, 0.3495



38.4259, 0.3391, 0.4389



38.4259, 0.2077, 0.2902

Rectangle

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



38.4259, 0.2775, 0.2405



38.4259, 0.3786, 0.2896



38.4259, 0.3391, 0.4389



38.4259, 0.2465, 0.3705

Sweetspot

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



38.4275, 0.2775, 0.2405



81.8985, 0.3033, 0.3035



53.4765, 0.2633, 0.2957



17.0254, 0.3018, 0.2997



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.



38.4275, 0.2775, 0.2405



43.2384, 0.2686, 0.2205



43.2588, 0.3079, 0.2480



13.4926, 0.3039, 0.3052



4.2918, 0.1809, 0.0770



0.3475, 0.1983, 0.0866

Inverse Universe

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



43.3992, 0.3407, 0.2778



50.8433, 0.3483, 0.2674



64.5614, 0.3147, 0.4211



13.8438, 0.3195, 0.3145



10.3484, 0.4434, 0.2216



0.7345, 0.4196, 0.2085

Previews

White Background



This preview shows how the Yxy color 38.4259, 0.2775, 0.2405 looks on a white background.

Color Contrast Check

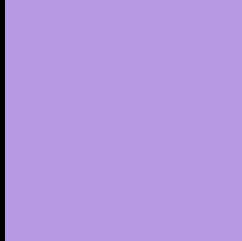
Large Text (above 18pt) WCAG AA × Fail

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 38.4259, 0.2775, 0.2405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

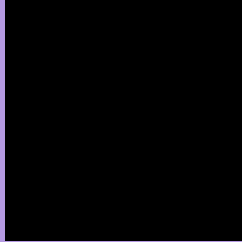
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4259, 0.2775, 0.2405

Background



This preview shows how black text looks on a background with the Yxy color 38.4259, 0.2775, 0.2405.



This preview shows how white text looks on a background with the Yxy color 38.4259, 0.2775, 0.2405.

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

38.4259, 0.2775, 0.2405

Protanopia

38.5112, 0.2465, 0.2385

Deuteranopia

38.5120, 0.2566, 0.2503



Tritanopia

38.4959, 0.3089, 0.3111

Trichromacy



Original Color

38.4259, 0.2775, 0.2405

Protanomaly

38.1802, 0.2567, 0.2385

Deuteranomaly

38.2592, 0.2636, 0.2456

Tritanomaly

38.1957, 0.2966, 0.2825

Monochromacy



Original Color

38.4259, 0.2775, 0.2405

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.2673, 0.2999, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4259, 0.2775, 0.2405 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(181, 154, 226)` looks like.

```
.text, #text, p{  
    color:rgb(181, 154, 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(181, 154, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 154, 226) }
```

Border

The CSS property to change the border of an element to Yxy 38.4259, 0.2775, 0.2405 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(181, 154, 226) }
```

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

```
.border{ border-color:rgb(181, 154, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 154, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 154, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 154, 226);  
box-shadow:4px 4px 4px 4px rgb(181, 154,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4259, 0.2775, 0.2405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 154, 226) }
```

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

```
.background{ background-color: rgb(181,  
154, 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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