

Converting Colors

$Y_{xy}(38.1694, 0.2875, 0.2559)$

Have a look what the booklet for
Yxy(38.1694, 0.2875, 0.2559)
contains.

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Color

Yxy(38.0705, 0.2874, 0.2557)

Conversions

Conversions Part 1

Format	Color
Hex	B59BD5
RGB	181, 155, 213
RGB Percent	71%, 61%, 84%
CMY	0.2901, 0.3922, 0.1648
CMYK	0.15, 0.27, 0.00, 0.16
HSL	267°, 41%, 72%
HSV	267°, 27%, 84%
XYZ	42.7902, 38.0705, 68.0266
YIQ	169.3860, -3.1220, 23.5500

Conversions

Conversions Part 2

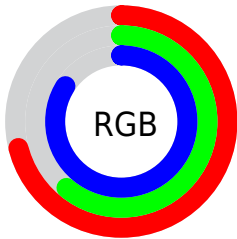
Format	Color
RYB	181, 155, 213
Decimal	11901909
CIELab	68.07, 20.83, -26.02
CIELCh	68, 33.334, 308.675
Yxy	38.0705, 0.2874, 0.2557
Android (android.graphics.Color)	4290091989 (0xFFB59BD5)
YUV	169.3860, 21.5017, 10.1855
Hunter-Lab	61.7013, 15.8136, -22.1772

Details

The Yxy color **38.0705, 0.2874, 0.2557** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **60.4996, 0.3329, 0.4014**, and the grayscale version is **39.7718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3177, 0.3020, 0.2833**, and **16.8813, 0.2787, 0.2367** is the 20% darker color. If you saturate the color by 10%, you get **30.2381, 0.2755, 0.2257**, and if you desaturate by 10%, it is **47.2757, 0.2979, 0.2844**.

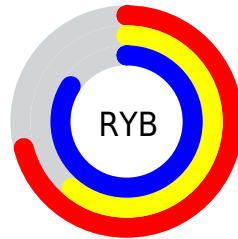
Distribution



Red (71%)

Green (61%)

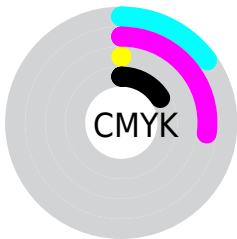
Blue (84%)



Red (71%)

Yellow (61%)

Blue (84%)

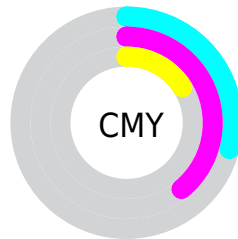


Cyan (15%)

Magenta (27%)

Yellow (0%)

Black (16%)



Cyan (29%)

Magenta (39%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0705, 0.2874, 0.2557 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 38.0705, 0.2874, 0.2557 by changing the saturation by 10% instead.

■ 38.0705, 0.2874,
0.2557

■ 38.0705, 0.2874,
0.2557

■ 337.9223, 0.3009,
0.2916

■ 26.0374, 0.2838,
0.2470

■ 72.2162, 0.2925,
0.2685

■ 16.8516, 0.2791,
0.2361

■ 95.0976, 0.2943,
0.2734

■ 10.1288, 0.2726,
0.2218

■ 122.3638, 0.2959,
0.2776

■ 5.4844, 0.2633,
0.2027

■ 154.3994, 0.2972,
0.2812

■ 2.5342, 0.2488,
0.1759

■ 191.5886, 0.2983,
0.2843

■ 0.8937, 0.2243,
0.1363

■ 234.3159, 0.2993,

■ 0.0000, 0.1501,

0.2870

0.0000

282.9657, 0.3002,
0.2895

0.0000, 0.0000,
0.0000

38.0705, 0.2874,
0.2557

38.0705, 0.2874,
0.2557

30.2381, 0.2755,
0.2257

47.2757, 0.2979,
0.2844

23.7050, 0.2625,
0.1953

57.9127, 0.3070,
0.3111

18.3983, 0.2485,
0.1657

70.0426, 0.3147,
0.3356

14.2353, 0.2340,
0.1386

83.7217, 0.3213,
0.3577

11.1228, 0.2199,
0.1156

94.7958, 0.3276,
0.3714

■ 8.9520, 0.2066,
0.0978

■ 96.9129, 0.3352,
0.3704

■ 7.5780, 0.1949,
0.0858

■ 97.5828, 0.3376,
0.3701

■ 7.2700, 0.1919,
0.0831

Harmonies

Analogous

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



38.0705, 0.2474, 0.2498



38.0705, 0.2874, 0.2557



38.0705, 0.3377, 0.2776

Triad

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



38.0705, 0.2874, 0.2557



38.0705, 0.4070, 0.3880



38.0705, 0.2445, 0.3424

Complementary

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



38.0705, 0.2874, 0.2557



60.4996, 0.3329, 0.4014

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.



38.0705, 0.2833, 0.3900



38.0705, 0.2874, 0.2557



38.0705, 0.3776, 0.4143

Square

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



38.0705, 0.2874, 0.2557



38.0705, 0.4101, 0.3504



38.0705, 0.3320, 0.4172



38.0705, 0.2243, 0.2951

Rectangle

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



38.0705, 0.2874, 0.2557



38.0705, 0.3701, 0.2991



38.0705, 0.3320, 0.4172



38.0705, 0.2557, 0.3593

Sweetspot

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



38.0721, 0.2874, 0.2557



85.5982, 0.3062, 0.3089



47.6739, 0.2700, 0.2961



17.7771, 0.3049, 0.3049



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.



38.0721, 0.2874, 0.2557



49.7917, 0.2803, 0.2375



41.8158, 0.3124, 0.2610



12.2790, 0.3051, 0.3054



4.5007, 0.1934, 0.0839



0.3202, 0.2129, 0.0946

Inverse Universe

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



41.1693, 0.3396, 0.2906



55.3500, 0.3476, 0.2816



57.2992, 0.3118, 0.4063



12.5342, 0.3206, 0.3162



9.4516, 0.4733, 0.2381



0.5867, 0.4399, 0.2197

Previews

White Background



This preview shows how the Yxy color 38.0705, 0.2874, 0.2557 looks on a white background.

Color Contrast Check

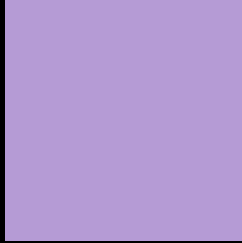
Large Text (above 18pt) WCAG AA × Fail

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 38.0705, 0.2874, 0.2557 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 38.0705, 0.2874, 0.2557

Background



This preview shows how black text looks on a background with the Yxy color 38.0705, 0.2874, 0.2557.



This preview shows how white text looks on a background with the Yxy color 38.0705, 0.2874, 0.2557.

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

38.0705, 0.2874, 0.2557

Protanopia

38.2975, 0.2592, 0.2548

Deuteranopia

38.1666, 0.2704, 0.2649



Tritanopia

38.0498, 0.3136, 0.3112

Trichromacy



Original Color

38.0705, 0.2874, 0.2557

Protanomaly

38.1809, 0.2691, 0.2558

Deuteranomaly

38.0021, 0.2758, 0.2608

Tritanomaly

37.8175, 0.3034, 0.2889

Monochromacy



Original Color

38.0705, 0.2874, 0.2557

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.9379, 0.3031, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0705, 0.2874, 0.2557 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, 155, 213)` looks like.

```
.text, #text, p{  
    color:rgb(181, 155, 213)  
}
```

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, 155, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 155, 213) }
```

Border

The CSS property to change the border of an element to Yxy 38.0705, 0.2874, 0.2557 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, 155, 213) }
```

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

```
.border{ border-color:rgb(181, 155, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 155, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 155, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 155, 213);  
box-shadow:4px 4px 4px 4px rgb(181, 155,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0705, 0.2874, 0.2557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 155, 213) }
```

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

```
.background{ background-color: rgb(181,  
155, 213) }
```

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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