

Converting Colors

$Y_{xy}(38.7095, 0.2935, 0.2550)$

Have a look what the booklet for
Yxy(38.7095, 0.2935, 0.2550)
contains.

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Color

Yxy(38.7851, 0.2935, 0.2548)

Conversions

Conversions Part 1

Format	Color
Hex	BD9AD6
RGB	189, 154, 214
RGB Percent	74%, 60%, 84%
CMY	0.2589, 0.3960, 0.1607
CMYK	0.12, 0.28, 0.00, 0.16
HSL	275°, 42%, 72%
HSV	275°, 28%, 84%
XYZ	44.6759, 38.7851, 68.7568
YIQ	171.3050, 1.6000, 26.0800

Conversions

Conversions Part 2

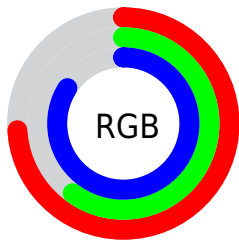
Format	Color
RYB	189, 154, 214
Decimal	12425942
CIELab	68.60, 24.13, -25.73
CIELCh	69, 35.273, 313.154
Yxy	38.7851, 0.2935, 0.2548
Android (android.graphics.Color)	4290616022 (0xFFBD9AD6)
YUV	171.3050, 21.0486, 15.5185
Hunter-Lab	62.2777, 19.0640, -21.8639

Details

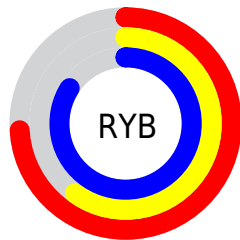
The Yxy color $38.7851, 0.2935, 0.2548$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $60.0215, 0.3273, 0.4052$, and the grayscale version is $40.7777, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.4138, 0.3084, 0.2832$, and $17.3546, 0.2871, 0.2361$ is the 20% darker color. If you saturate the color by 10%, you get $31.2334, 0.2846, 0.2261$, and if you desaturate by 10%, it is $47.6698, 0.3013, 0.2827$.

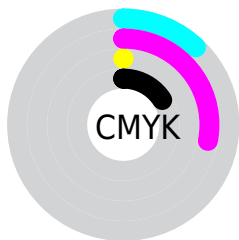
Distribution



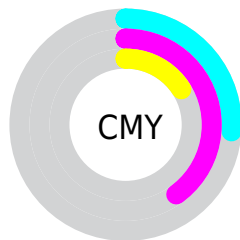
- Red (74%)
- Green (60%)
- Blue (84%)



- Red (74%)
- Yellow (60%)
- Blue (84%)



- Cyan (12%)
- Magenta (28%)
- Yellow (0%)
- Black (16%)





- Cyan (26%)
- Magenta (40%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7851, 0.2935, 0.2548 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 38.7851, 0.2935, 0.2548 by changing the saturation by 10% instead.


 38.7851, 0.2935,
0.2548


 38.7851, 0.2935,
0.2548

340.9760, 0.3040,
0.2909

 26.5926, 0.2907,
0.2461


 73.3099, 0.2975,
0.2677

 17.2675, 0.2869,
0.2352


 96.4110, 0.2989,
0.2726

 10.4254, 0.2817,
0.2211


123.9171, 0.3001,
0.2768

 5.6819, 0.2741,
0.2023

156.2125, 0.3011,
0.2804

 2.6526, 0.2622,
0.1759

193.6817, 0.3020,
0.2835

 0.9532, 0.2417,
0.1375

236.7091, 0.3027,


 0.0000, 0.1973,


0.2863

0.0000


285.6791, 0.3034,
0.2887


 0.0000, 0.0000,
0.0000

 38.7851, 0.2935,
0.2548


 38.7851, 0.2935,
0.2548


 31.2334, 0.2846,
0.2261

 47.6698, 0.3013,
0.2827


 24.9415, 0.2747,
0.1976


 57.9457, 0.3081,
0.3091

 19.8369, 0.2639,
0.1704

 69.6736, 0.3138,
0.3337

 15.8369, 0.2527,
0.1460

 82.9089, 0.3185,
0.3562

 12.8482, 0.2414,
0.1255

 93.8045, 0.3230,
0.3709

■ 10.7612, 0.2306,
0.1100

■ 95.3510, 0.3288,
0.3701

■ 9.4183, 0.2204,
0.0995

■ 96.9748, 0.3346,
0.3694

■ 9.1942, 0.2185,
0.0977

■ 97.6356, 0.3369,
0.3691

Harmonies

Analogous

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



38.7851, 0.2494, 0.2458



38.7851, 0.2935, 0.2548



38.7851, 0.3469, 0.2798

Triad

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



38.7851, 0.2935, 0.2548



38.7851, 0.4087, 0.3957



38.7851, 0.2366, 0.3350

Complementary

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



38.7851, 0.2935, 0.2548



60.0215, 0.3273, 0.4052

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.



38.7851, 0.2746, 0.3867



38.7851, 0.2935, 0.2548



38.7851, 0.3743, 0.4209

Square

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



38.7851, 0.2935, 0.2548



38.7851, 0.4166, 0.3572



38.7851, 0.3249, 0.4198



38.7851, 0.2189, 0.2868

Rectangle

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



38.7851, 0.2935, 0.2548



38.7851, 0.3799, 0.3031



38.7851, 0.3249, 0.4198



38.7851, 0.2473, 0.3529

Sweetspot

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



38.7867, 0.2935, 0.2548



86.0891, 0.3080, 0.3090



44.3741, 0.2676, 0.2842



17.9006, 0.3071, 0.3051



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.



38.7867, 0.2935, 0.2548



50.3691, 0.2880, 0.2368



42.0668, 0.3195, 0.2639



12.3625, 0.3072, 0.3055



5.6191, 0.2199, 0.0985



0.3870, 0.2370, 0.1079

Inverse Universe

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



40.6696, 0.3485, 0.2988



53.7586, 0.3594, 0.2917



57.4391, 0.3064, 0.4041



12.5059, 0.3226, 0.3193



9.0997, 0.5294, 0.2690



0.5651, 0.4848, 0.2444

Previews

White Background



This preview shows how the Yxy color 38.7851, 0.2935, 0.2548 looks on a white background.

Color Contrast Check

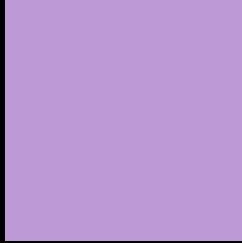
Large Text (above 18pt) WCAG AA × Fail

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 38.7851, 0.2935, 0.2548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

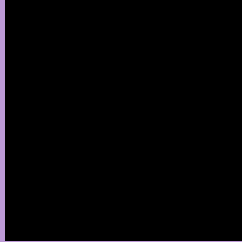
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7851, 0.2935, 0.2548

Background



This preview shows how black text looks on a background with the Yxy color 38.7851, 0.2935, 0.2548.



This preview shows how white text looks on a background with the Yxy color 38.7851, 0.2935, 0.2548.

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

38.7851, 0.2935, 0.2548

Protanopia

38.8596, 0.2588, 0.2540

Deuteranopia

38.8815, 0.2722, 0.2655



Tritanopia

38.9639, 0.3220, 0.3130

Trichromacy



Original Color

38.7851, 0.2935, 0.2548

Protanomaly

38.6035, 0.2701, 0.2540

Deuteranomaly

38.6036, 0.2792, 0.2605

Tritanomaly

38.7847, 0.3108, 0.2898

Monochromacy



Original Color

38.7851, 0.2935, 0.2548

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.9631, 0.3059, 0.2997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7851, 0.2935, 0.2548 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(189, 154, 214)` looks like.

```
.text, #text, p{  
    color:rgb(189, 154, 214)  
}
```

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(189, 154, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 154, 214) }
```

Border

The CSS property to change the border of an element to Yxy 38.7851, 0.2935, 0.2548 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(189, 154, 214) }
```

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

```
.border{ border-color:rgb(189, 154, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 154, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 154, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 154, 214);  
box-shadow:4px 4px 4px 4px rgb(189, 154,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7851, 0.2935, 0.2548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 154, 214) }
```

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

```
.background{ background-color: rgb(189,  
154, 214) }
```

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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