

Converting Colors

$Y_{xy}(37.9720, 0.2926, 0.2532)$

Have a look what the booklet for
Yxy(37.9720, 0.2926, 0.2532)
contains.

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Color

Yxy(37.8254, 0.2925, 0.2530)

Conversions

Conversions Part 1

Format	Color
Hex	BB98D5
RGB	187, 152, 213
RGB Percent	73%, 60%, 84%
CMY	0.2667, 0.4039, 0.1647
CMYK	0.12, 0.29, 0.00, 0.16
HSL	274°, 42%, 72%
HSV	274°, 29%, 84%
XYZ	43.7309, 37.8254, 67.9512
YIQ	169.4190, 1.2790, 26.3910

Conversions

Conversions Part 2

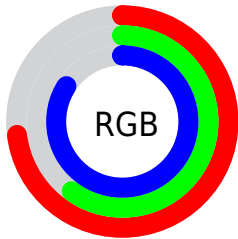
Format	Color
RYB	187, 152, 213
Decimal	12294357
CIELab	67.89, 24.40, -26.27
CIELCh	68, 35.853, 312.881
Yxy	37.8254, 0.2925, 0.2530
Android (android.graphics.Color)	4290484437 (0xFFBB98D5)
YUV	169.4190, 21.4854, 15.4185
Hunter-Lab	61.5024, 19.2924, -22.4552

Details

The Yxy color **37.8254, 0.2925, 0.2530** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **59.3269, 0.3281, 0.4069**, and the grayscale version is **39.7862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0787, 0.3070, 0.2810**, and **16.7625, 0.2856, 0.2336** is the 20% darker color. If you saturate the color by 10%, you get **30.4124, 0.2833, 0.2242**, and if you desaturate by 10%, it is **46.5557, 0.3006, 0.2810**.

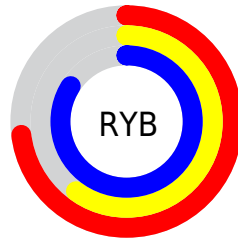
Distribution



Red (73%)

Green (60%)

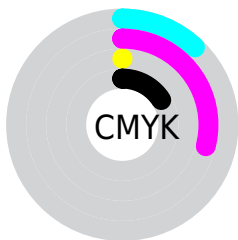
Blue (84%)



Red (73%)

Yellow (60%)

Blue (84%)

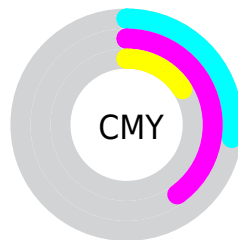


Cyan (12%)

Magenta (29%)

Yellow (0%)

Black (16%)



Cyan (27%)

Magenta (40%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8254, 0.2925, 0.2530 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 37.8254, 0.2925, 0.2530 by changing the saturation by 10% instead.

 37.8254, 0.2925,
0.2530


 37.8254, 0.2925,
0.2530


336.8704, 0.3035,
0.2901

 25.8472, 0.2895,
0.2441


 71.8404, 0.2967,
0.2662

 16.7094, 0.2855,
0.2329


 94.6461, 0.2982,
0.2713

 10.0275, 0.2800,
0.2183


121.8297, 0.2995,
0.2756

 5.4172, 0.2719,
0.1988

153.7756, 0.3006,
0.2793

 2.4941, 0.2592,
0.1716

190.8682, 0.3015,
0.2825

 0.8737, 0.2372,
0.1319

233.4919, 0.3022,

 0.0000, 0.1781,

0.2853

0.0000

282.0312, 0.3029,
0.2878

0.0000, 0.0000,
0.0000

37.8254, 0.2925,
0.2530

37.8254, 0.2925,
0.2530

30.4124, 0.2833,
0.2242

46.5557, 0.3006,
0.2810

24.2440, 0.2731,
0.1956

56.6613, 0.3076,
0.3076

19.2479, 0.2621,
0.1684

68.2025, 0.3135,
0.3322

15.3420, 0.2506,
0.1440

81.2346, 0.3184,
0.3549

12.4329, 0.2391,
0.1236

93.5494, 0.3228,
0.3720

■ 10.4111, 0.2281,
0.1083

■ 95.1128, 0.3287,
0.3712

■ 9.1083, 0.2179,
0.0979

■ 96.7560, 0.3346,
0.3705

■ 8.9542, 0.2165,
0.0967

■ 97.5845, 0.3376,
0.3701

Harmonies

Analogous

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



37.8254, 0.2476, 0.2440



37.8254, 0.2925, 0.2530



37.8254, 0.3472, 0.2784

Triad

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



37.8254, 0.2925, 0.2530



37.8254, 0.4112, 0.3968



37.8254, 0.2351, 0.3356

Complementary

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



37.8254, 0.2925, 0.2530



59.3269, 0.3281, 0.4069

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.



37.8254, 0.2741, 0.3887



37.8254, 0.2925, 0.2530



37.8254, 0.3760, 0.4231

Square

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



37.8254, 0.2925, 0.2530



37.8254, 0.4192, 0.3573



37.8254, 0.3256, 0.4224



37.8254, 0.2168, 0.2860

Rectangle

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



37.8254, 0.2925, 0.2530



37.8254, 0.3811, 0.3021



37.8254, 0.3256, 0.4224



37.8254, 0.2461, 0.3540

Sweetspot

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



37.8270, 0.2925, 0.2530



84.4121, 0.3073, 0.3064



43.4968, 0.2666, 0.2831



17.5644, 0.3063, 0.3026



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.



37.8270, 0.2925, 0.2530



50.2455, 0.2874, 0.2366



41.2064, 0.3196, 0.2625



12.3567, 0.3070, 0.3055



5.5306, 0.2179, 0.0974



0.3819, 0.2353, 0.1070

Inverse Universe

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



39.8211, 0.3489, 0.2974



53.7972, 0.3587, 0.2908



56.6710, 0.3063, 0.4060



12.5078, 0.3225, 0.3191



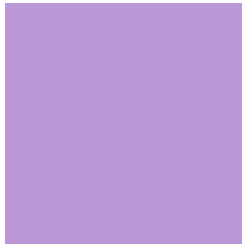
9.1203, 0.5256, 0.2669



0.5665, 0.4816, 0.2427

Previews

White Background



This preview shows how the Yxy color 37.8254, 0.2925, 0.2530 looks on a white background.

Color Contrast Check

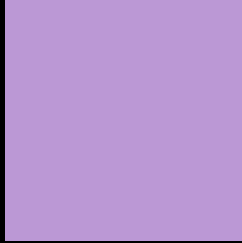
Large Text (above 18pt) WCAG AA × Fail

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 37.8254, 0.2925, 0.2530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

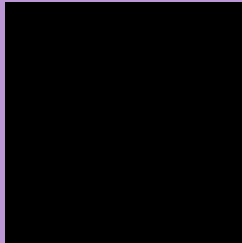
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8254, 0.2925, 0.2530

Background



This preview shows how black text looks on a background with the Yxy color 37.8254, 0.2925, 0.2530.



This preview shows how white text looks on a background with the Yxy color 37.8254, 0.2925, 0.2530.

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

37.8254, 0.2925, 0.2530

Protanopia

38.2144, 0.2565, 0.2522

Deuteranopia

38.1666, 0.2704, 0.2649



Tritanopia

37.9439, 0.3221, 0.3128

Trichromacy



Original Color

37.8254, 0.2925, 0.2530

Protanomaly

38.0426, 0.2684, 0.2524

Deuteranomaly

37.9848, 0.2782, 0.2600

Tritanomaly

37.7691, 0.3108, 0.2894

Monochromacy



Original Color

37.8254, 0.2925, 0.2530

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.9273, 0.3058, 0.2994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8254, 0.2925, 0.2530 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, 152, 213)` looks like.

```
.text, #text, p{  
    color:rgb(187, 152, 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(187, 152, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 152, 213) }
```

Border

The CSS property to change the border of an element to Yxy 37.8254, 0.2925, 0.2530 is called "border". The border property can be set on classes, ids or directly on the HTML element.

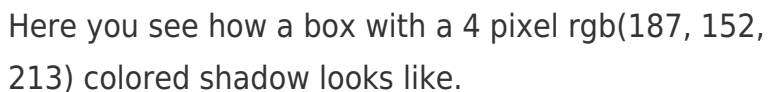
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 152, 213) }
```

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

```
.border{ border-color:rgb(187, 152, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 152, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 152, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 152, 213);  
box-shadow:4px 4px 4px 4px rgb(187, 152,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8254, 0.2925, 0.2530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 152, 213) }
```

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

```
.background{ background-color: rgb(187,  
152, 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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