

Converting Colors

$Y_{xy}(45.3505, 0.2849, 0.2700)$

Have a look what the booklet for
Yxy(45.3505, 0.2849, 0.2700)
contains.

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Color

Yxy(45.2979, 0.2848, 0.2701)

Conversions

Conversions Part 1

Format	Color
Hex	B8ADDD
RGB	184, 173, 221
RGB Percent	72%, 68%, 87%
CMY	0.2784, 0.3216, 0.1332
CMYK	0.17, 0.22, 0.00, 0.13
HSL	254°, 41%, 77%
HSV	254°, 22%, 87%
XYZ	47.7632, 45.2979, 74.6468
YIQ	181.7610, -8.8520, 17.2600

Conversions

Conversions Part 2

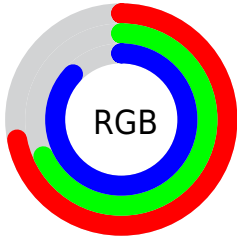
Format	Color
RYB	184, 173, 221
Decimal	12103133
CIELab	73.09, 13.52, -22.75
CIElCh	73, 26.465, 300.716
Yxy	45.2979, 0.2848, 0.2701
Android (android.graphics.Color)	4290293213 (0xFFB8ADDD)
YUV	181.7610, 19.3448, 1.9636
Hunter-Lab	67.3037, 8.8940, -18.6461

Details

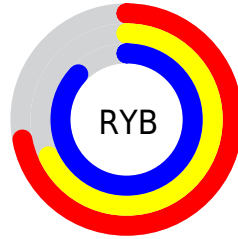
The Yxy color $45.2979, 0.2848, 0.2701$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $68.4469, 0.3370, 0.3845$, and the grayscale version is $46.5400, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.2321, 0.3039, 0.3020$, and $21.1737, 0.2760, 0.2549$ is the 20% darker color. If you saturate the color by 10%, you get $35.5335, 0.2691, 0.2389$, and if you desaturate by 10%, it is $56.7216, 0.2987, 0.2989$.

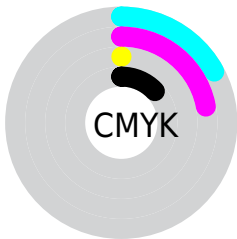
Distribution



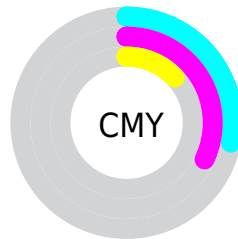
- Red (72%)
- Green (68%)
- Blue (87%)



- Red (72%)
- Yellow (68%)
- Blue (87%)



- Cyan (17%)
- Magenta (22%)
- Yellow (0%)
- Black (13%)



- Cyan (28%)
- Magenta (32%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2979, 0.2848, 0.2701 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 45.2979, 0.2848, 0.2701 by changing the saturation by 10% instead.

■ 45.2979, 0.2848,
0.2701

■ 45.2979, 0.2848,
0.2701

367.9787, 0.2990,
0.2986

■ 31.6921, 0.2812,
0.2633

■ 83.1673, 0.2900,
0.2802

■ 21.1265, 0.2766,
0.2548

108.1996, 0.2919,
0.2841

■ 13.2165, 0.2705,
0.2437

137.8097, 0.2936,
0.2874

■ 7.5778, 0.2620,
0.2289

172.3818, 0.2950,
0.2902

■ 3.8260, 0.2494,
0.2082

212.3004, 0.2962,
0.2927

■ 1.5767, 0.2292,
0.1774

257.9498, 0.2972,

■ 0.3418, 0.1958,

0.2949

0.1022

309.7144, 0.2982,
0.2969

0.0000, 0.0000,
0.0000

45.2979, 0.2848,
0.2701

45.2979, 0.2848,
0.2701

35.5335, 0.2691,
0.2389

56.7216, 0.2987,
0.2989

27.3450, 0.2520,
0.2060

69.8718, 0.3108,
0.3248

20.6500, 0.2337,
0.1728

84.8185, 0.3212,
0.3479

15.3564, 0.2152,
0.1409

97.4675, 0.3309,
0.3623

11.3615, 0.1976,
0.1127

98.0016, 0.3327,
0.3621

■ 8.5482, 0.1820,
0.0900

■ 6.7775, 0.1694,
0.0744

■ 5.9153, 0.1616,
0.0664

Harmonies

Analogous

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



45.2979, 0.2571, 0.2698



45.2979, 0.2848, 0.2701



45.2979, 0.3217, 0.2841

Triad

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



45.2979, 0.2848, 0.2701



45.2979, 0.3863, 0.3679



45.2979, 0.2680, 0.3493

Complementary

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



45.2979, 0.2848, 0.2701



68.4469, 0.3370, 0.3845

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.



45.2979, 0.3006, 0.3809



45.2979, 0.2848, 0.2701



45.2979, 0.3695, 0.3898

Square

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



45.2979, 0.2848, 0.2701



45.2979, 0.3822, 0.3383



45.2979, 0.3378, 0.3958



45.2979, 0.2478, 0.3131

Rectangle

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



45.2979, 0.2848, 0.2701



45.2979, 0.3467, 0.2994



45.2979, 0.3378, 0.3958



45.2979, 0.2778, 0.3610

Sweetspot

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



45.2998, 0.2848, 0.2701



86.6178, 0.3046, 0.3113



60.5047, 0.2796, 0.3163



18.3050, 0.3038, 0.3097



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.



45.2998, 0.2848, 0.2701



56.3068, 0.2780, 0.2564



48.4351, 0.3039, 0.2733



12.7603, 0.3016, 0.3051



3.4778, 0.1628, 0.0670



0.2643, 0.1790, 0.0760

Inverse Universe

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



49.9181, 0.3242, 0.2869



63.8068, 0.3271, 0.2780



65.2568, 0.3196, 0.3876



13.2212, 0.3172, 0.3112



10.6427, 0.3885, 0.1914



0.7022, 0.3753, 0.1841

Previews

White Background



This preview shows how the Yxy color 45.2979, 0.2848, 0.2701 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 45.2979, 0.2848, 0.2701 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 45.2979, 0.2848, 0.2701

Background



This preview shows how black text looks on a background with the Yxy color 45.2979, 0.2848, 0.2701.



This preview shows how white text looks on a background with the Yxy color 45.2979, 0.2848, 0.2701.

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

45.2979, 0.2848, 0.2701

Protanopia

45.5474, 0.2710, 0.2711

Deuteranopia

45.4481, 0.2795, 0.2741



Tritanopia

45.2303, 0.3025, 0.3108

Trichromacy



Original Color

45.2979, 0.2848, 0.2701

Protanomaly

45.3771, 0.2759, 0.2704

Deuteranomaly

45.4110, 0.2817, 0.2731

Tritanomaly

45.1862, 0.2957, 0.2946

Monochromacy



Original Color

45.2979, 0.2848, 0.2701

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.2930, 0.3027, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2979, 0.2848, 0.2701 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(184, 173, 221)` looks like.

```
.text, #text, p{  
    color:rgb(184, 173, 221)  
}
```

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(184, 173, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 173, 221) }
```

Border

The CSS property to change the border of an element to Yxy 45.2979, 0.2848, 0.2701 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(184, 173, 221) }
```

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

```
.border{ border-color:rgb(184, 173, 221) }
```

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

Here you see how a box with a 4 pixel rgb(184, 173, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 173, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 173, 221);  
box-shadow:4px 4px 4px 4px rgb(184, 173,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2979, 0.2848, 0.2701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 173, 221) }
```

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

```
.background{ background-color: rgb(184,  
173, 221) }
```

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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