

Converting Colors

$Y_{xy}(42.8870, 0.2724, 0.2542)$

Have a look what the booklet for
Yxy(42.8870, 0.2724, 0.2542)
contains.

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Color

Yxy(42.8925, 0.2726, 0.2539)

Conversions

Conversions Part 1

Format	Color
Hex	B0A8E5
RGB	176, 168, 229
RGB Percent	69%, 66%, 90%
CMY	0.3098, 0.3412, 0.1019
CMYK	0.23, 0.27, 0.00, 0.10
HSL	248°, 54%, 78%
HSV	248°, 27%, 90%
XYZ	46.0516, 42.8925, 79.9905
YIQ	177.3460, -14.8130, 20.6670

Conversions

Conversions Part 2

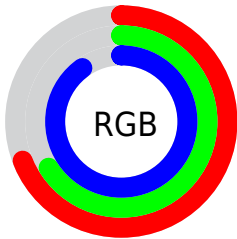
Format	Color
R _Y B	176, 168, 229
Decimal	11577573
CIE Lab	71.48, 15.63, -29.63
CIE LCh	71, 33.503, 297.814
Yxy	42.8925, 0.2726, 0.2539
Android (android.graphics.Color)	4289767653 (0xFFB0A8E5)
YUV	177.3460, 25.4654, -1.1804
Hunter-Lab	65.4924, 10.9023, -26.5705

Details

The Yxy color `42.8925, 0.2726, 0.2539` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `74.2480, 0.3469, 0.3968`, and the grayscale version is `44.0284, 0.3127, 0.3290`.

A 20% lighter version of the original color is `77.1512, 0.2986, 0.2964`, and `19.6455, 0.2608, 0.2349` is the 20% darker color. If you saturate the color by 10%, you get `33.0177, 0.2542, 0.2208`, and if you desaturate by 10%, it is `54.5997, 0.2893, 0.2846`.

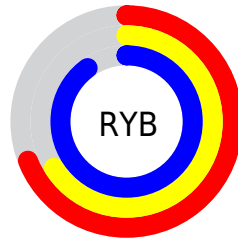
Distribution



Red (69%)

Green (66%)

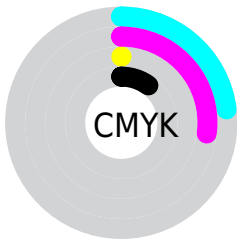
Blue (90%)



Red (69%)

Yellow (66%)

Blue (90%)

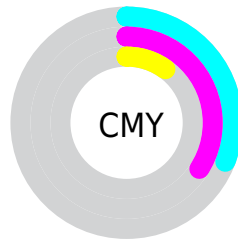


Cyan (23%)

Magenta (27%)

Yellow (0%)

Black (10%)



Cyan (31%)

Magenta (34%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8925, 0.2726, 0.2539 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 42.8925, 0.2726, 0.2539 by changing the saturation by 10% instead.

42.8925, 0.2726,
0.2539

42.8925, 0.2726,
0.2539

358.1695, 0.2930,
0.2901

29.8008, 0.2675,
0.2453

79.5486, 0.2801,
0.2667

19.6874, 0.2609,
0.2346

103.8818, 0.2828,
0.2716

12.1680, 0.2522,
0.2208

132.7309, 0.2852,
0.2758

6.8582, 0.2401,
0.2026

166.4804, 0.2872,
0.2795

3.3736, 0.2226,
0.1775

205.5146, 0.2890,
0.2827

1.3297, 0.1954,
0.1418

250.2179, 0.2905,

0.1641, 0.1490,

0.2854

0.0455

300.9747, 0.2918,
0.2879

0.0000, 0.0000,
0.0000

42.8925, 0.2726,
0.2539

42.8925, 0.2726,
0.2539

33.0177, 0.2542,
0.2208

54.5997, 0.2893,
0.2846

24.8774, 0.2346,
0.1864

68.2205, 0.3040,
0.3123

18.3723, 0.2146,
0.1524

83.8371, 0.3168,
0.3369

13.3907, 0.1955,
0.1211

98.4380, 0.3280,
0.3542

9.8071, 0.1787,
0.0949

■ 7.4754, 0.1654,
0.0759

■ 6.2130, 0.1565,
0.0649

■ 5.9345, 0.1543,
0.0624

Harmonies

Analogous

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



42.8925, 0.2395, 0.2546



42.8925, 0.2726, 0.2539



42.8925, 0.3189, 0.2700

Triad

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



42.8925, 0.2726, 0.2539



42.8925, 0.4082, 0.3738



42.8925, 0.2586, 0.3596

Complementary

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



42.8925, 0.2726, 0.2539



74.2480, 0.3469, 0.3968

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.



42.8925, 0.3009, 0.4003



42.8925, 0.2726, 0.2539



42.8925, 0.3883, 0.4044

Square

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



42.8925, 0.2726, 0.2539



42.8925, 0.4006, 0.3359



42.8925, 0.3485, 0.4163



42.8925, 0.2318, 0.3118

Rectangle

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



42.8925, 0.2726, 0.2539



42.8925, 0.3517, 0.2882



42.8925, 0.3485, 0.4163



42.8925, 0.2714, 0.3750

Sweetspot

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



42.8942, 0.2726, 0.2539



84.4598, 0.3020, 0.3086



66.1704, 0.2731, 0.3204



17.4919, 0.2999, 0.3046



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.



42.8942, 0.2726, 0.2539



47.4637, 0.2626, 0.2358



46.7321, 0.2963, 0.2588



13.9773, 0.3000, 0.3048



3.4215, 0.1551, 0.0628



0.2822, 0.1656, 0.0686

Inverse Universe

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



49.8873, 0.3224, 0.2709



57.8506, 0.3248, 0.2587



70.0008, 0.3253, 0.4017



14.5810, 0.3158, 0.3088



11.8938, 0.3570, 0.1740



0.8880, 0.3509, 0.1707

Previews

White Background



This preview shows how the Yxy color 42.8925, 0.2726, 0.2539 looks on a white background.

Color Contrast Check

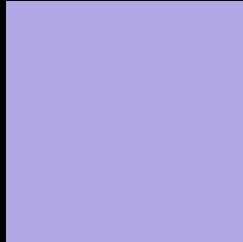
Large Text (above 18pt) WCAG AA × Fail

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 42.8925, 0.2726, 0.2539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

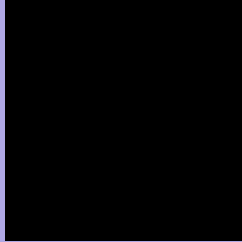
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8925, 0.2726, 0.2539

Background



This preview shows how black text looks on a background with the Yxy color 42.8925, 0.2726, 0.2539.



This preview shows how white text looks on a background with the Yxy color 42.8925, 0.2726, 0.2539.

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

42.8925, 0.2726, 0.2539

Protanopia

43.0394, 0.2575, 0.2533

Deuteranopia

42.8930, 0.2640, 0.2582



Tritanopia

42.7691, 0.2964, 0.3102

Trichromacy



Original Color

42.8925, 0.2726, 0.2539

Protanomaly

42.9513, 0.2628, 0.2528

Deuteranomaly

43.0521, 0.2676, 0.2576

Tritanomaly

42.6353, 0.2875, 0.2873

Monochromacy



Original Color

42.8925, 0.2726, 0.2539

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.6047, 0.2977, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8925, 0.2726, 0.2539 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(176, 168, 229)` looks like.

```
.text, #text, p{  
    color:rgb(176, 168, 229)  
}
```

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(176, 168, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 168, 229) }
```

Border

The CSS property to change the border of an element to Yxy 42.8925, 0.2726, 0.2539 is called "border". The border property can be set on classes, ids or directly on the HTML element.

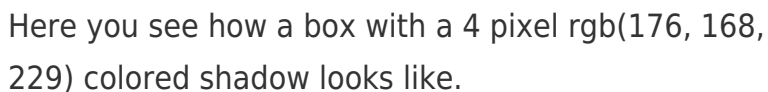
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 168, 229) }
```

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

```
.border{ border-color:rgb(176, 168, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 168, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 168, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 168, 229); box-shadow:4px 4px 4px 4px rgb(176, 168, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8925, 0.2726, 0.2539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 168, 229) }
```

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

```
.background{ background-color: rgb(176,  
168, 229) }
```

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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