

Converting Colors

$Y_{xy}(42.4189, 0.2845, 0.2750)$

Have a look what the booklet for
Yxy(42.4189, 0.2845, 0.2750)
contains.

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Color

Yxy(42.2434, 0.2839, 0.2741)

Conversions

Conversions Part 1

Format	Color
Hex	AFA9D4
RGB	175, 169, 212
RGB Percent	69%, 66%, 83%
CMY	0.3136, 0.3373, 0.1687
CMYK	0.17, 0.20, 0.00, 0.17
HSL	248°, 33%, 75%
HSV	248°, 20%, 83%
XYZ	43.7537, 42.2434, 68.1196
YIQ	175.6960, -10.2270, 14.6450

Conversions

Conversions Part 2

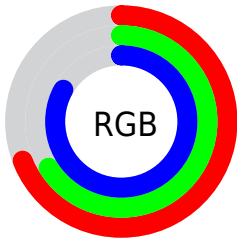
Format	Color
RYB	175, 169, 212
Decimal	11512276
CIELab	71.04, 10.90, -20.99
CIELCh	71, 23.650, 297.447
Yxy	42.2434, 0.2839, 0.2741
Android (android.graphics.Color)	4289702356 (0xFFAFA9D4)
YUV	175.6960, 17.8979, -0.6104
Hunter-Lab	64.9949, 6.4228, -16.6440

Details

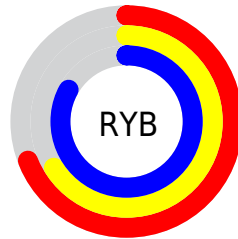
The Yxy color $42.2434, 0.2839, 0.2741$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $63.0537, 0.3383, 0.3800$, and the grayscale version is $43.1614, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.5202, 0.2979, 0.2974$, and $19.2945, 0.2755, 0.2596$ is the 20% darker color. If you saturate the color by 10%, you get $33.0186, 0.2669, 0.2427$, and if you desaturate by 10%, it is $53.0347, 0.2991, 0.3028$.

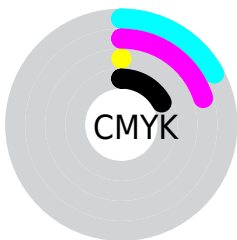
Distribution



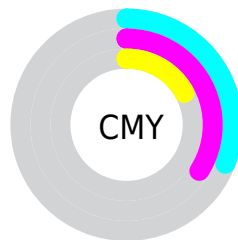
- Red (69%)
- Green (66%)
- Blue (83%)



- Red (69%)
- Yellow (66%)
- Blue (83%)



- Cyan (17%)
- Magenta (20%)
- Yellow (0%)
- Black (17%)



- Cyan (31%)
- Magenta (34%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2434, 0.2839, 0.2741 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 42.2434, 0.2839, 0.2741 by changing the saturation by 10% instead.

■ 42.2434, 0.2839,
0.2741

■ 42.2434, 0.2839,
0.2741

■ 355.4909, 0.2986,
0.3011

■ 29.2919, 0.2801,
0.2675

■ 78.5679, 0.2893,
0.2838

■ 19.3018, 0.2753,
0.2592

■ 102.7097, 0.2913,
0.2875

■ 11.8885, 0.2688,
0.2483

■ 131.3503, 0.2930,
0.2906

■ 6.6678, 0.2596,
0.2334

■ 164.8743, 0.2945,
0.2933

■ 3.2552, 0.2459,
0.2122

■ 203.6659, 0.2957,
0.2956

■ 1.2664, 0.2234,
0.1797

■ 248.1097, 0.2968,

■ 0.1150, 0.1684,

0.2977

0.0516

298.5899, 0.2978,
0.2995

0.0000, 0.0000,
0.0000

42.2434, 0.2839,
0.2741

42.2434, 0.2839,
0.2741

33.0186, 0.2669,
0.2427

53.0347, 0.2991,
0.3028

25.2824, 0.2482,
0.2092

65.4555, 0.3124,
0.3283

18.9577, 0.2286,
0.1750

79.5713, 0.3238,
0.3509

13.9587, 0.2090,
0.1418

95.4429, 0.3337,
0.3706

10.1899, 0.1906,
0.1122

97.5323, 0.3382,
0.3711

■ 7.5431, 0.1748,
0.0883

■ 5.8906, 0.1628,
0.0719

■ 5.0249, 0.1551,
0.0628

Harmonies

Analogous

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



42.2434, 0.2596, 0.2754



42.2434, 0.2839, 0.2741



42.2434, 0.3172, 0.2857

Triad

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



42.2434, 0.2839, 0.2741



42.2434, 0.3805, 0.3623



42.2434, 0.2746, 0.3511

Complementary

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



42.2434, 0.2839, 0.2741



63.0537, 0.3383, 0.3800

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.



42.2434, 0.3055, 0.3786



42.2434, 0.2839, 0.2741



42.2434, 0.3673, 0.3832

Square

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



42.2434, 0.2839, 0.2741



42.2434, 0.3746, 0.3347



42.2434, 0.3395, 0.3902



42.2434, 0.2544, 0.3181

Rectangle

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



42.2434, 0.2839, 0.2741



42.2434, 0.3402, 0.2993



42.2434, 0.3395, 0.3902



42.2434, 0.2840, 0.3615

Sweetspot

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



42.2451, 0.2839, 0.2741



88.2142, 0.3049, 0.3139



57.4487, 0.2822, 0.3218



18.6189, 0.3040, 0.3122



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.



42.2451, 0.2839, 0.2741



58.3264, 0.2773, 0.2619



44.8923, 0.3015, 0.2769



12.0915, 0.3003, 0.3050



3.1287, 0.1558, 0.0632



0.2163, 0.1690, 0.0705

Inverse Universe

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



46.8220, 0.3201, 0.2856



66.4333, 0.3218, 0.2769



60.2243, 0.3219, 0.3827



12.6013, 0.3159, 0.3092



10.7431, 0.3597, 0.1755



0.6564, 0.3520, 0.1713

Previews

White Background



This preview shows how the Yxy color 42.2434, 0.2839, 0.2741 looks on a white background.

Color Contrast Check

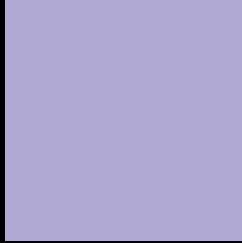
Large Text (above 18pt) WCAG AA × Fail

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 42.2434, 0.2839, 0.2741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

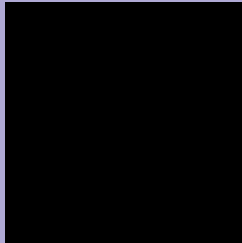
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2434, 0.2839, 0.2741

Background



This preview shows how black text looks on a background with the Yxy color 42.2434, 0.2839, 0.2741.



This preview shows how white text looks on a background with the Yxy color 42.2434, 0.2839, 0.2741.

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

42.2434, 0.2839, 0.2741

Protanopia

42.2526, 0.2740, 0.2744

Deuteranopia

42.2736, 0.2815, 0.2750



Tritanopia

42.1329, 0.2997, 0.3102

Trichromacy



Original Color

42.2434, 0.2839, 0.2741

Protanomaly

42.2547, 0.2777, 0.2747

Deuteranomaly

42.3872, 0.2823, 0.2751

Tritanomaly

42.2612, 0.2935, 0.2973

Monochromacy



Original Color

42.2434, 0.2839, 0.2741

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.7914, 0.3024, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2434, 0.2839, 0.2741 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(175, 169, 212)` looks like.

```
.text, #text, p{  
    color:rgb(175, 169, 212)  
}
```

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(175, 169, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 169, 212) }
```

Border

The CSS property to change the border of an element to Yxy 42.2434, 0.2839, 0.2741 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(175, 169, 212) }
```

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

```
.border{ border-color:rgb(175, 169, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 169, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 169, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 169, 212);  
box-shadow:4px 4px 4px 4px rgb(175, 169,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2434, 0.2839, 0.2741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 169, 212) }
```

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

```
.background{ background-color: rgb(175,  
169, 212) }
```

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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