

Converting Colors

$Y_{xy}(44.3182, 0.2841, 0.2470)$

Have a look what the booklet for
Yxy(44.3182, 0.2841, 0.2470)
contains.

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Color

Yxy(44.2848, 0.2839, 0.2463)

Conversions

Conversions Part 1

Format	Color
Hex	C4A4EB
RGB	196, 164, 235
RGB Percent	77%, 64%, 92%
CMY	0.2312, 0.3569, 0.0783
CMYK	0.17, 0.30, 0.00, 0.08
HSL	267°, 64%, 78%
HSV	267°, 30%, 92%
XYZ	51.0453, 44.2848, 84.4702
YIQ	181.6620, -3.7190, 28.8650

Conversions

Conversions Part 2

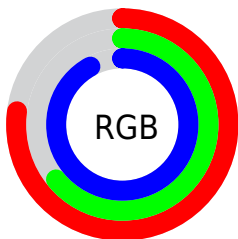
Format	Color
R _{YB}	196, 164, 235
Decimal	12887275
CIE _{Lab}	72.42, 25.31, -31.33
CIE _{LCh}	72, 40.271, 308.933
Yxy	44.2848, 0.2839, 0.2463
Android (android.graphics.Color)	4291077355 (0xFFC4A4EB)
YUV	181.6620, 26.2956, 12.5744
Hunter-Lab	66.5468, 20.4629, -28.6760

Details

The Yxy color **44.2848, 0.2839, 0.2463** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **74.8009, 0.3350, 0.4106**, and the grayscale version is **46.4448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7657, 0.3130, 0.2939**, and **20.5057, 0.2747, 0.2260** is the 20% darker color. If you saturate the color by 10%, you get **34.9822, 0.2716, 0.2159**, and if you desaturate by 10%, it is **55.2939, 0.2948, 0.2756**.

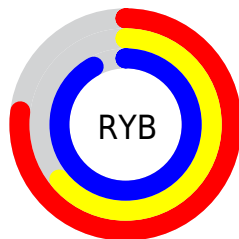
Distribution



Red (77%)

Green (64%)

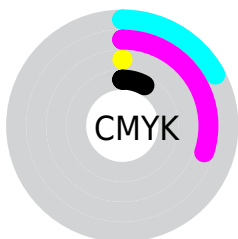
Blue (92%)



Red (77%)

Yellow (64%)

Blue (92%)

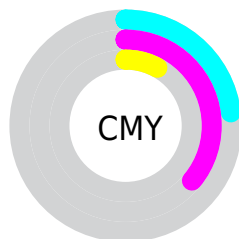


Cyan (17%)

Magenta (30%)

Yellow (0%)

Black (8%)



Cyan (23%)

Magenta (36%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2848, 0.2839, 0.2463 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 44.2848, 0.2839, 0.2463 by changing the saturation by 10% instead.

44.2848, 0.2839,
0.2463

44.2848, 0.2839,
0.2463

363.8692, 0.2989,
0.2854

30.8945, 0.2800,
0.2373

81.6461, 0.2895,
0.2600

20.5185, 0.2750,
0.2261

106.3859, 0.2915,
0.2653

12.7725, 0.2684,
0.2119

135.6776, 0.2933,
0.2698

7.2721, 0.2591,
0.1934

169.9057, 0.2947,
0.2738

3.6328, 0.2453,
0.1685

209.4545, 0.2960,
0.2772

1.4704, 0.2236,
0.1339

254.7084, 0.2971,

0.2677, 0.1915,

0.2803

0.0588

306.0519, 0.2981,
0.2830

0.0000, 0.0000,
0.0000

44.2848, 0.2839,
0.2463

44.2848, 0.2839,
0.2463

34.9822, 0.2716,
0.2159

55.2939, 0.2948,
0.2756

27.2912, 0.2581,
0.1855

68.0869, 0.3044,
0.3031

21.1158, 0.2439,
0.1564

82.7428, 0.3125,
0.3285

16.3469, 0.2295,
0.1304

97.4081, 0.3197,
0.3486

12.8603, 0.2155,
0.1089

98.7794, 0.3244,
0.3483

■ 10.5087, 0.2027,
0.0932

■ 9.0665, 0.1917,
0.0830

Harmonies

Analogous

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



44.2848, 0.2387, 0.2392



44.2848, 0.2839, 0.2463



44.2848, 0.3416, 0.2710

Triad

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



44.2848, 0.2839, 0.2463



44.2848, 0.4203, 0.3955



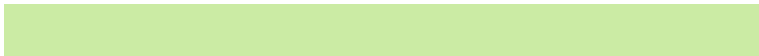
44.2848, 0.2345, 0.3435

Complementary

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



44.2848, 0.2839, 0.2463



74.8009, 0.3350, 0.4106

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.



44.2848, 0.2781, 0.3995



44.2848, 0.2839, 0.2463



44.2848, 0.3859, 0.4266

Square

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



44.2848, 0.2839, 0.2463



44.2848, 0.4247, 0.3526



44.2848, 0.3334, 0.4311



44.2848, 0.2123, 0.2889

Rectangle

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



44.2848, 0.2839, 0.2463



44.2848, 0.3790, 0.2950



44.2848, 0.3334, 0.4311



44.2848, 0.2470, 0.3633

Sweetspot

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



44.2866, 0.2839, 0.2463



83.9105, 0.3054, 0.3063



56.6287, 0.2648, 0.2902



17.4409, 0.3041, 0.3024



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.



44.2866, 0.2839, 0.2463



46.4110, 0.2768, 0.2283



49.6128, 0.3132, 0.2532



14.8817, 0.3050, 0.3051



5.1184, 0.1933, 0.0839



0.4583, 0.2087, 0.0923

Inverse Universe

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



48.5223, 0.3438, 0.2861



52.3589, 0.3521, 0.2774



70.3830, 0.3108, 0.4170



15.1924, 0.3207, 0.3161



10.7375, 0.4750, 0.2391



0.8625, 0.4478, 0.2240

Previews

White Background



This preview shows how the Yxy color 44.2848, 0.2839, 0.2463 looks on a white background.

Color Contrast Check

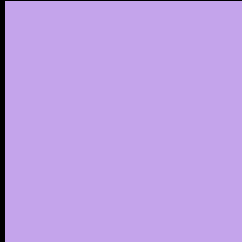
Large Text (above 18pt) WCAG AA × Fail

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 44.2848, 0.2839, 0.2463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

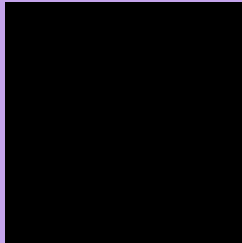
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.2848, 0.2839, 0.2463

Background



This preview shows how black text looks on a background with the Yxy color 44.2848, 0.2839, 0.2463.



This preview shows how white text looks on a background with the Yxy color 44.2848, 0.2839, 0.2463.

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

44.2848, 0.2839, 0.2463

Protanopia

44.4607, 0.2515, 0.2443

Deuteranopia

44.5425, 0.2627, 0.2569



Tritanopia

44.1664, 0.3144, 0.3110

Trichromacy



Original Color

44.2848, 0.2839, 0.2463

Protanomaly

44.2473, 0.2622, 0.2445

Deuteranomaly

44.2964, 0.2696, 0.2524

Tritanomaly

44.1855, 0.3034, 0.2867

Monochromacy



Original Color

44.2848, 0.2839, 0.2463

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

45.4418, 0.3023, 0.2962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2848, 0.2839, 0.2463 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(196, 164, 235)` looks like.

```
.text, #text, p{  
    color:rgb(196, 164, 235)  
}
```

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(196, 164, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 164, 235) }
```

Border

The CSS property to change the border of an element to Yxy 44.2848, 0.2839, 0.2463 is called "border". The border property can be set on classes, ids or directly on the HTML element.

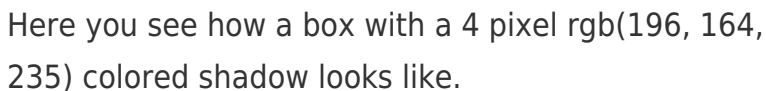
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 164, 235) }
```

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

```
.border{ border-color:rgb(196, 164, 235) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 164, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 164, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 164, 235);  
box-shadow:4px 4px 4px 4px rgb(196, 164,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2848, 0.2839, 0.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 164, 235) }
```

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

```
.background{ background-color: rgb(196,  
164, 235) }
```

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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