

Converting Colors

$Y_{xy}(44.8033, 0.2869, 0.2476)$

Have a look what the booklet for
Yxy(44.8033, 0.2869, 0.2476)
contains.

Yxy(44.6912, 0.2863, 0.2469)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.6912, 0.2863, 0.2469)

Conversions

Conversions Part 1

Format	Color
Hex	C7A4EB
RGB	199, 164, 235
RGB Percent	78%, 64%, 92%
CMY	0.2196, 0.3568, 0.0784
CMYK	0.15, 0.30, 0.00, 0.08
HSL	270°, 64%, 78%
HSV	270°, 30%, 92%
XYZ	51.8230, 44.6912, 84.4951
YIQ	182.5590, -1.9310, 29.5010

Conversions

Conversions Part 2

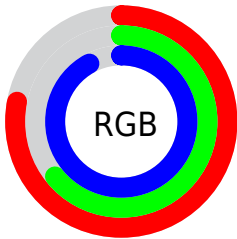
Format	Color
R _{YB}	199, 164, 235
Decimal	13083883
CIE _{Lab}	72.69, 26.20, -30.88
CIE _{LCh}	73, 40.495, 310.312
Yxy	44.6912, 0.2863, 0.2469
Android (android.graphics.Color)	4291273963 (0xFFC7A4EB)
YUV	182.5590, 25.8534, 14.4188
Hunter-Lab	66.8515, 21.3823, -28.1420

Details

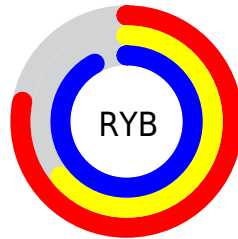
The Yxy color $44.6912, 0.2863, 0.2469$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $74.3817, 0.3329, 0.4111$, and the grayscale version is $46.9577, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.1430, 0.3144, 0.2940$, and $20.7723, 0.2779, 0.2270$ is the 20% darker color. If you saturate the color by 10%, you get $35.4771, 0.2750, 0.2170$, and if you desaturate by 10%, it is $55.5908, 0.2964, 0.2759$.

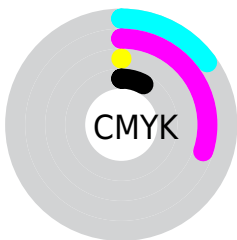
Distribution



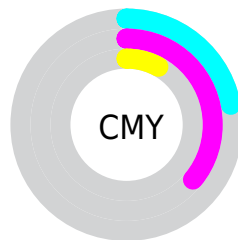
- Red (78%)
- Green (64%)
- Blue (92%)



- Red (78%)
- Yellow (64%)
- Blue (92%)



- Cyan (15%)
- Magenta (30%)
- Yellow (0%)
- Black (8%)




- Cyan (22%)
- Magenta (36%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6912, 0.2863, 0.2469 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 44.6912, 0.2863, 0.2469 by changing the saturation by 10% instead.


 44.6912, 0.2863,
0.2469


 44.6912, 0.2863,
0.2469


365.5215, 0.3001,
0.2856

 31.2143, 0.2827,
0.2380


 82.2568, 0.2914,
0.2604

 20.7621, 0.2781,
0.2269


 107.1143, 0.2933,
0.2657

 12.9502, 0.2719,
0.2128


136.5341, 0.2949,
0.2702

 7.3943, 0.2632,
0.1946

170.9006, 0.2963,
0.2741

 3.7099, 0.2504,
0.1700

210.5982, 0.2975,
0.2775

 1.5126, 0.2299,
0.1359

256.0113, 0.2985,

 0.2976, 0.1993,

0.2805

0.0641

307.5242, 0.2994,
0.2832

0.0000, 0.0000,
0.0000

44.6912, 0.2863,
0.2469

44.6912, 0.2863,
0.2469

35.4771, 0.2750,
0.2170

55.5908, 0.2964,
0.2759

27.8543, 0.2625,
0.1871

68.2522, 0.3051,
0.3032

21.7276, 0.2493,
0.1588

82.7539, 0.3126,
0.3285

16.9890, 0.2357,
0.1335

97.2331, 0.3191,
0.3486

13.5153, 0.2225,
0.1126

98.7784, 0.3244,
0.3483

■ 11.1602, 0.2102,
0.0972

■ 9.6985, 0.1994,
0.0872

Harmonies

Analogous

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



44.6912, 0.2402, 0.2389



44.6912, 0.2863, 0.2469



44.6912, 0.3443, 0.2724

Triad

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



44.6912, 0.2863, 0.2469



44.6912, 0.4196, 0.3974



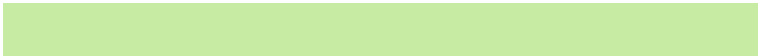
44.6912, 0.2328, 0.3408

Complementary

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



44.6912, 0.2863, 0.2469



74.3817, 0.3329, 0.4111

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.



44.6912, 0.2756, 0.3974



44.6912, 0.2863, 0.2469



44.6912, 0.3839, 0.4278

Square

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



44.6912, 0.2863, 0.2469



44.6912, 0.4256, 0.3547



44.6912, 0.3309, 0.4307



44.6912, 0.2116, 0.2867

Rectangle

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



44.6912, 0.2863, 0.2469



44.6912, 0.3815, 0.2968



44.6912, 0.3309, 0.4307



44.6912, 0.2450, 0.3606

Sweetspot

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



44.6930, 0.2863, 0.2469



84.0801, 0.3060, 0.3063



55.5201, 0.2645, 0.2873



17.4827, 0.3049, 0.3025



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.



44.6930, 0.2863, 0.2469



46.9591, 0.2797, 0.2291



50.0139, 0.3152, 0.2537



14.9134, 0.3057, 0.3052



5.4731, 0.2011, 0.0881



0.4869, 0.2161, 0.0964

Inverse Universe

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



48.3872, 0.3465, 0.2892



52.1667, 0.3556, 0.2811



70.1197, 0.3093, 0.4174



15.1816, 0.3213, 0.3171



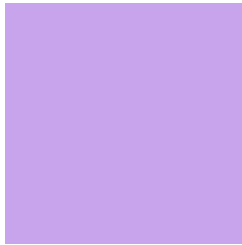
10.5995, 0.4926, 0.2487



0.8518, 0.4623, 0.2321

Previews

White Background



This preview shows how the Yxy color 44.6912, 0.2863, 0.2469 looks on a white background.

Color Contrast Check

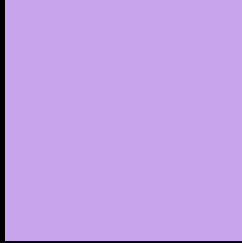
Large Text (above 18pt) WCAG AA × Fail

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 44.6912, 0.2863, 0.2469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

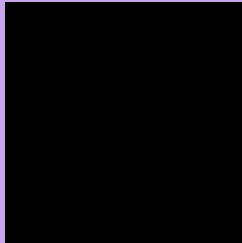
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.6912, 0.2863, 0.2469

Background



This preview shows how black text looks on a background with the Yxy color 44.6912, 0.2863, 0.2469.



This preview shows how white text looks on a background with the Yxy color 44.6912, 0.2863, 0.2469.

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

44.6912, 0.2863, 0.2469

Protanopia

44.9532, 0.2523, 0.2457

Deuteranopia

44.7586, 0.2642, 0.2572



Tritanopia

44.5514, 0.3171, 0.3112

Trichromacy



Original Color

44.6912, 0.2863, 0.2469

Protanomaly

44.8546, 0.2638, 0.2461

Deuteranomaly

44.6500, 0.2719, 0.2529

Tritanomaly

44.5784, 0.3059, 0.2870

Monochromacy



Original Color

44.6912, 0.2863, 0.2469

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.1338, 0.3032, 0.2965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6912, 0.2863, 0.2469 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(199, 164, 235)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 164, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 164, 235) }
```

Border

The CSS property to change the border of an element to Yxy 44.6912, 0.2863, 0.2469 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(199, 164, 235) }
```

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

```
.border{ border-color:rgb(199, 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(199, 164, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 164, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 164, 235);  
box-shadow:4px 4px 4px 4px rgb(199, 164,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6912, 0.2863, 0.2469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 164, 235) }
```

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

```
.background{ background-color: rgb(199,  
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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