

Converting Colors

Yxy(42.8616, 0.3046, 0.2684)

Have a look what the booklet for
Yxy(42.8616, 0.3046, 0.2684)
contains.

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Color

Yxy(42.8735, 0.3049, 0.2688)

Conversions

Conversions Part 1

Format	Color
Hex	C8A2D4
RGB	200, 162, 212
RGB Percent	78%, 64%, 83%
CMY	0.2155, 0.3648, 0.1687
CMYK	0.06, 0.24, 0.00, 0.17
HSL	286°, 37%, 73%
HSV	286°, 24%, 83%
XYZ	48.6314, 42.8735, 67.9947
YIQ	179.0620, 6.5980, 23.6060

Conversions

Conversions Part 2

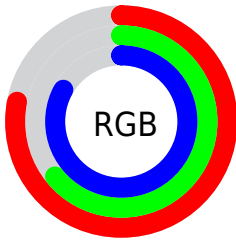
Format	Color
R_{YB}	200, 162, 212
Decimal	13148884
CIE _{Lab}	71.47, 22.89, -20.14
CIE _{LCh}	71, 30.489, 318.654
Yxy	42.8735, 0.3049, 0.2688
Android (android.graphics.Color)	4291338964 (0xFFC8A2D4)
YUV	179.0620, 16.2384, 18.3626
Hunter-Lab	65.4779, 17.9885, -15.7345

Details

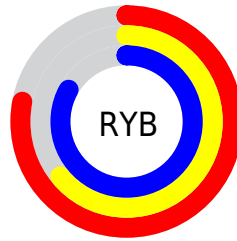
The Yxy color $42.8735, 0.3049, 0.2688$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $58.6833, 0.3184, 0.3934$, and the grayscale version is $45.0260, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.1057, 0.3145, 0.2920$, and $19.6972, 0.3028, 0.2536$ is the 20% darker color. If you saturate the color by 10%, you get $35.3402, 0.3005, 0.2420$, and if you desaturate by 10%, it is $51.6925, 0.3086, 0.2951$.

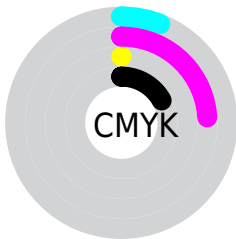
Distribution



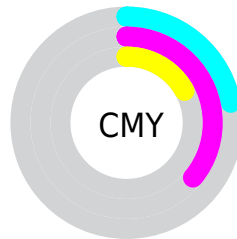
- Red (78%)
- Green (64%)
- Blue (83%)



- Red (78%)
- Yellow (64%)
- Blue (83%)



- Cyan (6%)
- Magenta (24%)
- Yellow (0%)
- Black (17%)




- Cyan (22%)
- Magenta (36%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8735, 0.3049, 0.2688 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 42.8735, 0.3049, 0.2688 by changing the saturation by 10% instead.


 42.8735, 0.3049,
0.2688

 42.8735, 0.3049,
0.2688


358.0913, 0.3093,
0.2979

 29.7859, 0.3036,
0.2618


 79.5199, 0.3066,
0.2791

 19.6761, 0.3020,
0.2531


 103.8475, 0.3072,
0.2831

 12.1598, 0.2996,
0.2418


132.6906, 0.3078,
0.2865

 6.8526, 0.2960,
0.2266

166.4335, 0.3082,
0.2894

 3.3701, 0.2903,
0.2052

205.4606, 0.3085,
0.2919

 1.3279, 0.2800,
0.1734

250.1563, 0.3088,

 0.1626, 0.2739,

0.2942

0.0625

300.9051, 0.3091,
0.2961

0.0000, 0.0000,
0.0000

42.8735, 0.3049,
0.2688

42.8735, 0.3049,
0.2688

35.3402, 0.3005,
0.2420

51.6925, 0.3086,
0.2951

29.0238, 0.2955,
0.2157

61.8506, 0.3117,
0.3203

23.8574, 0.2899,
0.1907

73.4048, 0.3143,
0.3440

19.7652, 0.2838,
0.1683

86.4071, 0.3163,
0.3659

16.6623, 0.2774,
0.1495

92.3405, 0.3189,
0.3737

■ 14.4507, 0.2709,
0.1351

■ 93.1685, 0.3222,
0.3733

■ 13.0118, 0.2645,
0.1253

■ 94.0208, 0.3254,
0.3728

■ 12.3658, 0.2606,
0.1209

■ 94.8978, 0.3287,
0.3724

■ 95.7995, 0.3320,
0.3719

Harmonies

Analogous

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



42.8735, 0.2653, 0.2585



42.8735, 0.3049, 0.2688



42.8735, 0.3495, 0.2925

Triad

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



42.8735, 0.3049, 0.2688



42.8735, 0.3896, 0.3910



42.8735, 0.2444, 0.3266

Complementary

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



42.8735, 0.3049, 0.2688



58.6833, 0.3184, 0.3934

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.



42.8735, 0.2742, 0.3696



42.8735, 0.3049, 0.2688



42.8735, 0.3580, 0.4075

Square

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



42.8735, 0.3049, 0.2688



42.8735, 0.4003, 0.3603



42.8735, 0.3156, 0.4007



42.8735, 0.2323, 0.2882

Rectangle

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



42.8735, 0.3049, 0.2688



42.8735, 0.3753, 0.3135



42.8735, 0.3156, 0.4007



42.8735, 0.2525, 0.3411

Sweetspot

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



42.8753, 0.3049, 0.2688



88.3353, 0.3107, 0.3117



42.8949, 0.2741, 0.2799



18.7027, 0.3105, 0.3102



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.



42.8753, 0.3049, 0.2688



59.5019, 0.3029, 0.2562



43.9790, 0.3263, 0.2845



12.4763, 0.3100, 0.3058



7.6827, 0.2614, 0.1214



0.5002, 0.2722, 0.1273

Inverse Universe

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



42.8861, 0.3498, 0.3145



59.5761, 0.3596, 0.3114



57.8390, 0.3015, 0.3780



12.4690, 0.3254, 0.3235



8.7999, 0.5951, 0.3052



0.5439, 0.5454, 0.2778

Previews

White Background



This preview shows how the Yxy color 42.8735, 0.3049, 0.2688 looks on a white background.

Color Contrast Check

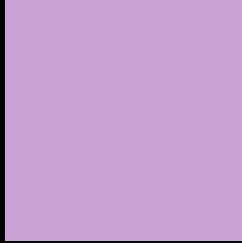
Large Text (above 18pt) WCAG AA × Fail

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 42.8735, 0.3049, 0.2688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

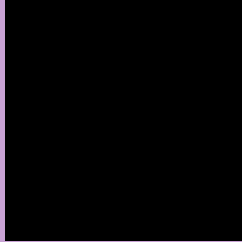
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8735, 0.3049, 0.2688

Background



This preview shows how black text looks on a background with the Yxy color 42.8735, 0.3049, 0.2688.



This preview shows how white text looks on a background with the Yxy color 42.8735, 0.3049, 0.2688.

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

42.8735, 0.3049, 0.2688

Protanopia

42.9470, 0.2701, 0.2687

Deuteranopia

42.8929, 0.2854, 0.2791



Tritanopia

42.9436, 0.3263, 0.3125

Trichromacy



Original Color

42.8735, 0.3049, 0.2688

Protanomaly

42.7328, 0.2818, 0.2686

Deuteranomaly

42.8988, 0.2920, 0.2751

Tritanomaly

42.9485, 0.3188, 0.2965

Monochromacy



Original Color

42.8735, 0.3049, 0.2688

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.2135, 0.3103, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8735, 0.3049, 0.2688 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(200, 162, 212)` looks like.

```
.text, #text, p{  
    color:rgb(200, 162, 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(200, 162, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 162, 212) }
```

Border

The CSS property to change the border of an element to Yxy 42.8735, 0.3049, 0.2688 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(200, 162, 212) }
```

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

```
.border{ border-color:rgb(200, 162, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 162, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 162, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 162, 212);  
box-shadow:4px 4px 4px 4px rgb(200, 162,  
212) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 42.8735, 0.3049, 0.2688$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 162, 212) }
```

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

```
.background{ background-color: rgb(200,  
162, 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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