

Converting Colors

$Y_{xy}(46.0772, 0.2876, 0.2481)$

Have a look what the booklet for
Yxy(46.0772, 0.2876, 0.2481)
contains.

Yxy(45.9434, 0.2874, 0.2478)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.9434, 0.2874, 0.2478)

Conversions

Conversions Part 1

Format	Color
Hex	CAA6ED
RGB	202, 166, 237
RGB Percent	79%, 65%, 93%
CMY	0.2077, 0.3490, 0.0706
CMYK	0.15, 0.30, 0.00, 0.07
HSL	270°, 66%, 79%
HSV	270°, 30%, 93%
XYZ	53.2854, 45.9434, 86.1763
YIQ	184.8580, -1.3350, 29.7130

Conversions

Conversions Part 2

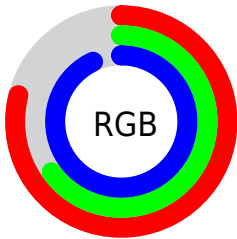
Format	Color
R _Y B	202, 166, 237
Decimal	13281005
CIE Lab	73.51, 26.47, -30.67
CIE LCh	74, 40.515, 310.789
Yxy	45.9434, 0.2874, 0.2478
Android (android.graphics.Color)	4291471085 (0xFFCAA6ED)
YUV	184.8580, 25.7060, 15.0335
Hunter-Lab	67.7816, 21.7073, -27.9332

Details

The Yxy color **45.9434, 0.2874, 0.2478** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **75.7298, 0.3320, 0.4106**, and the grayscale version is **48.2904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1929, 0.3143, 0.2960**, and **21.5739, 0.2794, 0.2284** is the 20% darker color. If you saturate the color by 10%, you get **36.5418, 0.2764, 0.2180**, and if you desaturate by 10%, it is **57.0595, 0.2971, 0.2767**.

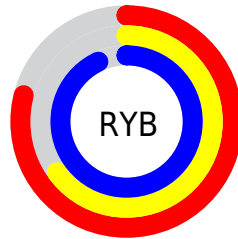
Distribution



Red (79%)

Green (65%)

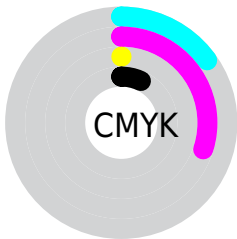
Blue (93%)



Red (79%)

Yellow (65%)

Blue (93%)

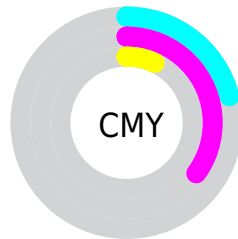


Cyan (15%)

Magenta (30%)

Yellow (0%)

Black (7%)



Cyan (21%)

Magenta (35%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9434, 0.2874, 0.2478 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 45.9434, 0.2874, 0.2478 by changing the saturation by 10% instead.

45.9434, 0.2874,
0.2478

45.9434, 0.2874,
0.2478

370.5811, 0.3006,
0.2860

32.2012, 0.2840,
0.2390

84.1343, 0.2923,
0.2611

21.5152, 0.2796,
0.2282

109.3517, 0.2941,
0.2663

13.5011, 0.2737,
0.2145

139.1630, 0.2956,
0.2707

7.7745, 0.2655,
0.1967

173.9525, 0.2969,
0.2745

3.9510, 0.2533,
0.1728

214.1047, 0.2981,
0.2779

1.6462, 0.2341,
0.1397

260.0039, 0.2990,

0.3884, 0.2040,


0.2809


0.0771


312.0346, 0.2999,
0.2836


 0.0000, 0.0000,
0.0000

 45.9434, 0.2874,
0.2478


 45.9434, 0.2874,
0.2478

 36.5418, 0.2764,
0.2180

 57.0595, 0.2971,
0.2767


 28.7588, 0.2644,
0.1884


 69.9675, 0.3055,
0.3039


 22.4980, 0.2515,
0.1602

 84.7471, 0.3127,
0.3291

 17.6495, 0.2383,
0.1351

 97.7210, 0.3192,
0.3466

 14.0884, 0.2253,
0.1143

 98.8942, 0.3232,
0.3464

■ 11.6662, 0.2132,
0.0990

■ 10.1345, 0.2023,
0.0888

■ 10.1291, 0.2023,
0.0888

Harmonies

Analogous

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



45.9434, 0.2414, 0.2395



45.9434, 0.2874, 0.2478



45.9434, 0.3450, 0.2734

Triad

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



45.9434, 0.2874, 0.2478



45.9434, 0.4184, 0.3975



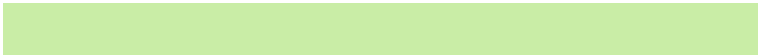
45.9434, 0.2330, 0.3398

Complementary

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



45.9434, 0.2874, 0.2478



75.7298, 0.3320, 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.



45.9434, 0.2752, 0.3960



45.9434, 0.2874, 0.2478



45.9434, 0.3826, 0.4273

Square

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



45.9434, 0.2874, 0.2478



45.9434, 0.4248, 0.3553



45.9434, 0.3299, 0.4295



45.9434, 0.2123, 0.2864

Rectangle

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



45.9434, 0.2874, 0.2478



45.9434, 0.3817, 0.2977



45.9434, 0.3299, 0.4295



45.9434, 0.2449, 0.3594

Sweetspot

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



45.9453, 0.2874, 0.2478



84.1408, 0.3063, 0.3063



56.2243, 0.2647, 0.2862



17.4976, 0.3051, 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.



45.9453, 0.2874, 0.2478



47.1578, 0.2808, 0.2294



51.3876, 0.3162, 0.2545



14.9247, 0.3059, 0.3052



5.6087, 0.2040, 0.0897



0.4977, 0.2188, 0.0979

Inverse Universe

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



49.4883, 0.3471, 0.2907



52.0993, 0.3568, 0.2825



71.4250, 0.3086, 0.4167



15.1777, 0.3216, 0.3175



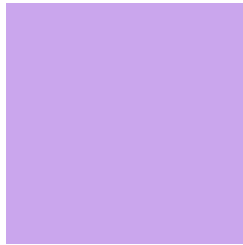
10.5535, 0.4989, 0.2522



0.8481, 0.4676, 0.2350

Previews

White Background



This preview shows how the Yxy color 45.9434, 0.2874, 0.2478 looks on a white background.

Color Contrast Check

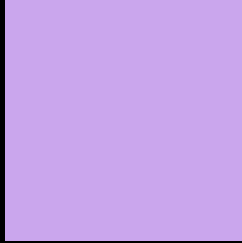
Large Text (above 18pt) WCAG AA × Fail

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 45.9434, 0.2874, 0.2478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

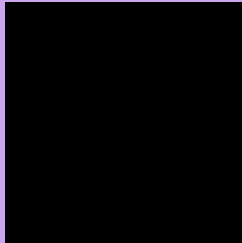
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9434, 0.2874, 0.2478

Background



This preview shows how black text looks on a background with the Yxy color 45.9434, 0.2874, 0.2478.



This preview shows how white text looks on a background with the Yxy color 45.9434, 0.2874, 0.2478.

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

45.9434, 0.2874, 0.2478

Protanopia

46.0717, 0.2528, 0.2465

Deuteranopia

46.2740, 0.2647, 0.2591



Tritanopia

45.8034, 0.3179, 0.3114

Trichromacy



Original Color

45.9434, 0.2874, 0.2478

Protanomaly

45.9733, 0.2642, 0.2468

Deuteranomaly

46.1520, 0.2723, 0.2548

Tritanomaly

45.8316, 0.3069, 0.2875

Monochromacy



Original Color

45.9434, 0.2874, 0.2478

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.2768, 0.3033, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9434, 0.2874, 0.2478 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(202, 166, 237)` looks like.

```
.text, #text, p{  
    color:rgb(202, 166, 237)  
}
```

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(202, 166, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 166, 237) }
```

Border

The CSS property to change the border of an element to Yxy 45.9434, 0.2874, 0.2478 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(202, 166, 237) }
```

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

```
.border{ border-color:rgb(202, 166, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 166, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 166, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 166, 237);  
box-shadow:4px 4px 4px 4px rgb(202, 166,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9434, 0.2874, 0.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 166, 237) }
```

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

```
.background{ background-color: rgb(202,  
166, 237) }
```

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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