

Converting Colors

$Y_{xy}(48.3699, 0.3319, 0.2810)$

Have a look what the booklet for
Yxy(48.3699, 0.3319, 0.2810)
contains.

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Color

Yxy(48.3699, 0.3319, 0.2810)

Conversions

Conversions Part 1

Format	Color
Hex	E4A6D1
RGB	228, 166, 209
RGB Percent	89%, 65%, 82%
CMY	0.1060, 0.3489, 0.1805
CMYK	0.00, 0.27, 0.08, 0.11
HSL	318°, 53%, 77%
HSV	318°, 27%, 89%
XYZ	57.1316, 48.3699, 66.6334
YIQ	189.4400, 23.1490, 26.5170

Conversions

Conversions Part 2

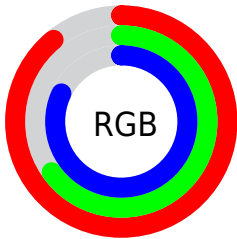
Format	Color
R _Y B	228, 166, 209
Decimal	14984913
CIE Lab	75.06, 29.48, -12.81
CIE LCh	75, 32.142, 336.522
Yxy	48.3699, 0.3319, 0.2810
Android (android.graphics.Color)	4293174993 (0xFFE4A6D1)
YUV	189.4400, 9.6431, 33.8171
Hunter-Lab	69.5485, 24.9215, -8.1210

Details

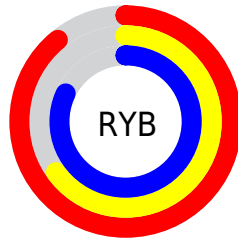
The Yxy color $48.3699, 0.3319, 0.2810$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $67.0855, 0.2977, 0.3824$, and the grayscale version is $51.0882, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.7226, 0.3142, 0.2970$, and $22.9475, 0.3365, 0.2678$ is the 20% darker color. If you saturate the color by 10%, you get $40.4655, 0.3412, 0.2630$, and if you desaturate by 10%, it is $57.7629, 0.3239, 0.2991$.

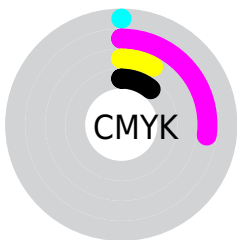
Distribution



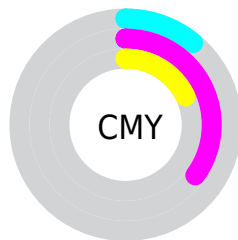
- Red (89%)
- Green (65%)
- Blue (82%)



- Red (89%)
- Yellow (65%)
- Blue (82%)



- Cyan (0%)
- Magenta (27%)
- Yellow (8%)
- Black (11%)





- Cyan (11%)
- Magenta (35%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3699, 0.3319, 0.2810 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 48.3699, 0.3319, 0.2810 by changing the saturation by 10% instead.

 48.3699, 0.3319,
0.2810

 48.3699, 0.3319,
0.2810


380.2565, 0.3228,
0.3039

 34.1199, 0.3340,
0.2756

 87.7549, 0.3287,
0.2891

 22.9857, 0.3367,
0.2689


 113.6587, 0.3275,
0.2922

 14.5830, 0.3401,
0.2602


144.2159, 0.3264,
0.2948

 8.5272, 0.3445,
0.2486

179.8108, 0.3255,
0.2971

 4.4341, 0.3508,
0.2324

220.8280, 0.3247,
0.2991

 1.9192, 0.3599,
0.2084

267.6517, 0.3240,

 0.5599, 0.3784,

0.3009

0.1602

320.6664, 0.3234,
0.3025

0.0000, 0.4000,
0.0000

0.0000, 0.0000,
0.0000

48.3699, 0.3319,
0.2810

48.3699, 0.3319,
0.2810

40.4655, 0.3412,
0.2630

57.7629, 0.3239,
0.2991

33.9655, 0.3517,
0.2458

68.7101, 0.3170,
0.3168

28.7871, 0.3634,
0.2304

81.2809, 0.3112,
0.3337

24.8361, 0.3760,
0.2180

94.1207, 0.3064,
0.3473

■ 22.0061, 0.3891,
0.2095

■ 94.5371, 0.3024,
0.3401

■ 20.1718, 0.4022,
0.2059

■ 94.9697, 0.2986,
0.3330

■ 19.1696, 0.4151,
0.2072

■ 95.2299, 0.2964,
0.3290

■ 18.9613, 0.4187,
0.2080

Harmonies

Analogous

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



48.3699, 0.2873, 0.2621



48.3699, 0.3319, 0.2810



48.3699, 0.3737, 0.3109

Triad

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



48.3699, 0.3319, 0.2810



48.3699, 0.3735, 0.4041



48.3699, 0.2340, 0.3019

Complementary

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



48.3699, 0.3319, 0.2810



67.0855, 0.2977, 0.3824

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.



48.3699, 0.2538, 0.3444



48.3699, 0.3319, 0.2810



48.3699, 0.3335, 0.4076

Square

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



48.3699, 0.3319, 0.2810



48.3699, 0.3979, 0.3802



48.3699, 0.2897, 0.3853



48.3699, 0.2335, 0.2714

Rectangle

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



48.3699, 0.3319, 0.2810



48.3699, 0.3928, 0.3343



48.3699, 0.2897, 0.3853



48.3699, 0.2385, 0.3153

Sweetspot

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



48.3721, 0.3319, 0.2810



87.2716, 0.3175, 0.3153



43.1452, 0.2799, 0.2539



18.1999, 0.3185, 0.3127



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.



48.3721, 0.3319, 0.2810



55.9976, 0.3373, 0.2701



47.0005, 0.3597, 0.3148



14.5360, 0.3185, 0.3128



10.9738, 0.4168, 0.2070



0.8273, 0.3994, 0.1974

Inverse Universe

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



48.3721, 0.3319, 0.2810



55.9976, 0.3373, 0.2701



68.5185, 0.2800, 0.3438



14.5360, 0.3185, 0.3128



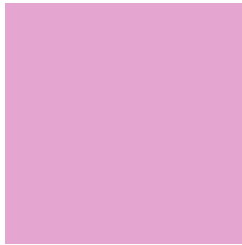
10.9738, 0.4168, 0.2070



0.8273, 0.3994, 0.1974

Previews

White Background



This preview shows how the Yxy color 48.3699, 0.3319, 0.2810 looks on a white background.

Color Contrast Check

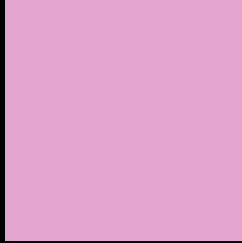
Large Text (above 18pt) WCAG AA × Fail

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 48.3699, 0.3319, 0.2810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

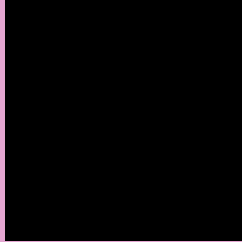
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.3699, 0.3319, 0.2810

Background



This preview shows how black text looks on a background with the Yxy color 48.3699, 0.3319, 0.2810.



This preview shows how white text looks on a background with the Yxy color 48.3699, 0.3319, 0.2810.

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

48.3699, 0.3319, 0.2810

Protanopia

48.7954, 0.2809, 0.2844

Deuteranopia

48.4362, 0.3034, 0.2971



Tritanopia

48.5941, 0.3507, 0.3141

Trichromacy



Original Color

48.3699, 0.3319, 0.2810

Protanomaly

48.1379, 0.2983, 0.2822

Deuteranomaly

48.2867, 0.3136, 0.2910

Tritanomaly

48.3949, 0.3439, 0.3016

Monochromacy



Original Color

48.3699, 0.3319, 0.2810

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

49.7298, 0.3195, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3699, 0.3319, 0.2810 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(228, 166, 209)` looks like.

```
.text, #text, p{  
    color:rgb(228, 166, 209)  
}
```

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(228, 166, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 166, 209) }
```

Border

The CSS property to change the border of an element to Yxy 48.3699, 0.3319, 0.2810 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(228, 166, 209) }
```

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

```
.border{ border-color:rgb(228, 166, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 166, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 166, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 166, 209);  
box-shadow:4px 4px 4px 4px rgb(228, 166,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3699, 0.3319, 0.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 166, 209) }
```

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

```
.background{ background-color: rgb(228,  
166, 209) }
```

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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