

# Converting Colors

$Y_{xy}(48.7730, 0.3294, 0.2825)$

Have a look what the booklet for  
Yxy(48.7730, 0.3294, 0.2825)  
contains.

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# Color

**Yxy(48.7775, 0.3299, 0.2829)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2A8D1
RGB	226, 168, 209
RGB Percent	89%, 66%, 82%
CMY	0.1137, 0.3412, 0.1803
CMYK	0.00, 0.26, 0.08, 0.11
HSL	318°, 50%, 77%
HSV	318°, 26%, 89%
XYZ	56.8812, 48.7775, 66.7609
YIQ	190.0160, 21.4070, 25.0470

# Conversions

## Conversions Part 2

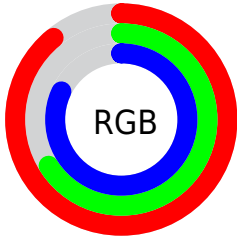
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 168, 209
Decimal	14854353
CIE Lab	75.31, 27.76, -12.47
CIE LCh	75, 30.438, 335.807
Yxy	48.7775, 0.3299, 0.2829
Android (android.graphics.Color)	4293044433 (0xFFE2A8D1)
YUV	190.0160, 9.3591, 31.5580
Hunter-Lab	69.8409, 23.1560, -7.7866

# Details

The Yxy color  $48.7775, 0.3299, 0.2829$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $66.2252, 0.2990, 0.3801$ , and the grayscale version is  $51.4404, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.7913, 0.3141, 0.2989$ , and  $23.1741, 0.3337, 0.2702$  is the 20% darker color. If you saturate the color by 10%, you get  $40.8266, 0.3386, 0.2645$ , and if you desaturate by 10%, it is  $58.1966, 0.3224, 0.3013$ .

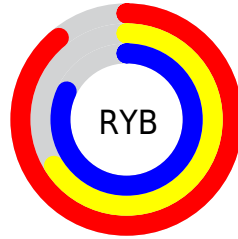
# Distribution



Red (89%)

Green (66%)

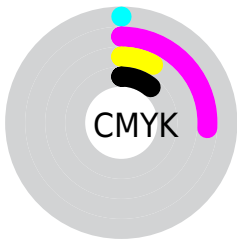
Blue (82%)



Red (89%)

Yellow (66%)

Blue (82%)

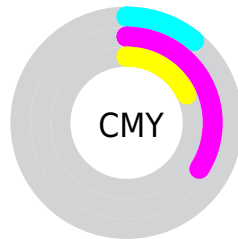


Cyan (0%)

Magenta (26%)

Yellow (8%)

Black (11%)



Cyan (11%)

Magenta (34%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7775, 0.3299, 0.2829 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 48.7775, 0.3299, 0.2829 by changing the saturation by 10% instead.





 48.7775, 0.3299,  
0.2829


 48.7775, 0.3299,  
0.2829

381.8657, 0.3218,  
0.3049

 34.4430, 0.3318,  
0.2777


 88.3609, 0.3271,  
0.2907

 23.2341, 0.3341,  
0.2712


 114.3786, 0.3260,  
0.2936

 14.7665, 0.3372,  
0.2629


145.0595, 0.3250,  
0.2962

 8.6557, 0.3411,  
0.2517

180.7880, 0.3242,  
0.2984

 4.5173, 0.3466,  
0.2361

221.9485, 0.3235,  
0.3003

 1.9669, 0.3547,  
0.2129

268.9253, 0.3229,

 0.5881, 0.3706,

0.3020

0.1674

322.1029, 0.3223,  
0.3035

0.0000, 0.3754,  
0.0000

0.0000, 0.0000,  
0.0000

48.7775, 0.3299,  
0.2829

48.7775, 0.3299,  
0.2829

40.8266, 0.3386,  
0.2645

58.1966, 0.3224,  
0.3013

34.2622, 0.3485,  
0.2468

69.1471, 0.3159,  
0.3192

29.0046, 0.3594,  
0.2309

81.6965, 0.3105,  
0.3363

24.9630, 0.3712,  
0.2177

93.7172, 0.3060,  
0.3489

■ 22.0354, 0.3835,  
0.2083

■ 94.1077, 0.3023,  
0.3420

■ 20.1027, 0.3960,  
0.2036

■ 94.5126, 0.2986,  
0.3353

■ 19.0182, 0.4081,  
0.2039

■ 94.9107, 0.2952,  
0.3289

■ 18.7044, 0.4133,  
0.2050

# Harmonies

## Analogous

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



48.7775, 0.2878, 0.2652



48.7775, 0.3299, 0.2829



48.7775, 0.3694, 0.3112

# Triad

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



48.7775, 0.3299, 0.2829



48.7775, 0.3710, 0.3997



48.7775, 0.2383, 0.3045

# Complementary

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



48.7775, 0.3299, 0.2829



66.2252, 0.2990, 0.3801

# 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.



48.7775, 0.2576, 0.3446



48.7775, 0.3299, 0.2829



48.7775, 0.3336, 0.4032

# Square

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



48.7775, 0.3299, 0.2829



48.7775, 0.3935, 0.3771



48.7775, 0.2921, 0.3827



48.7775, 0.2374, 0.2751



# Rectangle

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



48.7775, 0.3299, 0.2829



48.7775, 0.3878, 0.3334



48.7775, 0.2921, 0.3827



48.7775, 0.2428, 0.3172

# Sweetspot

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



48.7797, 0.3299, 0.2829



87.2893, 0.3174, 0.3150



43.7395, 0.2813, 0.2585



18.2044, 0.3183, 0.3123



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.



48.7797, 0.3299, 0.2829



58.1098, 0.3346, 0.2727



47.4929, 0.3554, 0.3146



13.8637, 0.3182, 0.3126



10.6913, 0.4114, 0.2040



0.7564, 0.3942, 0.1945



# Inverse Universe

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



48.7797, 0.3299, 0.2829



58.1098, 0.3346, 0.2727



67.5502, 0.2823, 0.3441



13.8637, 0.3182, 0.3126



10.6913, 0.4114, 0.2040

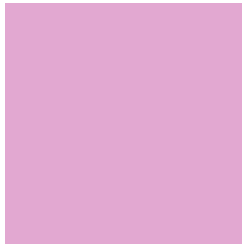


0.7564, 0.3942, 0.1945



# Previews

## White Background



This preview shows how the Yxy color 48.7775, 0.3299, 0.2829 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

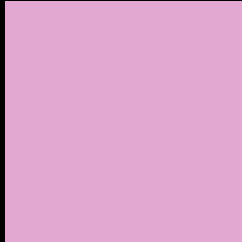
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.7775, 0.3299, 0.2829 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 48.7775, 0.3299, 0.2829**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.7775, 0.3299, 0.2829.



This preview shows how white text looks on a background with the Yxy color 48.7775, 0.3299, 0.2829.

# 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

48.7775, 0.3299, 0.2829

### Protanopia

49.0320, 0.2824, 0.2846

### Deuteranopia

49.0221, 0.3034, 0.2973



## Tritanopia

48.6958, 0.3478, 0.3140

# Trichromacy



**Original Color**

48.7775, 0.3299, 0.2829

**Protanomaly**

48.5344, 0.2983, 0.2834

**Deuteranomaly**

48.7265, 0.3128, 0.2911

**Tritanomaly**

48.8682, 0.3409, 0.3026

# Monochromacy



**Original Color**

48.7775, 0.3299, 0.2829

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

50.1836, 0.3186, 0.3109

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7775, 0.3299, 0.2829 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(226, 168, 209)` looks like.

```
.text, #text, p{  
    color:rgb(226, 168, 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(226, 168, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 168, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7775, 0.3299, 0.2829 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(226, 168, 209) }
```

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

```
.border{ border-color:rgb(226, 168, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 168, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 168, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 168, 209); box-shadow:4px 4px 4px 4px rgb(226, 168, 209) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 48.7775, 0.3299, 0.2829$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 168, 209) }
```

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

```
.background{ background-color: rgb(226,  
168, 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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