

Converting Colors

$Y_{xy}(47.8949, 0.3254, 0.2795)$

Have a look what the booklet for
Yxy(47.8949, 0.3254, 0.2795)
contains.

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Color

Yxy(47.8702, 0.3248, 0.2791)

Conversions

Conversions Part 1

Format	Color
Hex	DEA7D3
RGB	222, 167, 211
RGB Percent	87%, 65%, 83%
CMY	0.1293, 0.3451, 0.1725
CMYK	0.00, 0.25, 0.05, 0.13
HSL	312°, 45%, 76%
HSV	312°, 25%, 87%
XYZ	55.7085, 47.8702, 67.9376
YIQ	188.4610, 18.6560, 25.3440

Conversions

Conversions Part 2

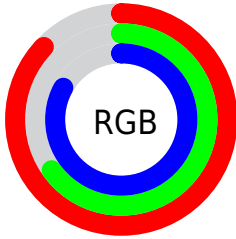
Format	Color
R _Y B	222, 167, 211
Decimal	14591955
CIE Lab	74.74, 27.30, -14.45
CIE LCh	75, 30.891, 332.114
Yxy	47.8702, 0.3248, 0.2791
Android (android.graphics.Color)	4292782035 (0xFFDEA7D3)
YUV	188.4610, 11.1117, 29.4137
Hunter-Lab	69.1883, 22.6437, -9.7864

Details

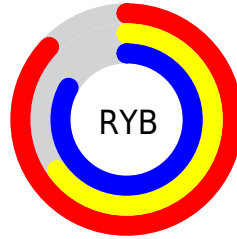
The Yxy color $47.8702, 0.3248, 0.2791$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $63.6884, 0.3026, 0.3847$, and the grayscale version is $50.4951, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.2554, 0.3142, 0.2980$, and $22.5419, 0.3278, 0.2664$ is the 20% darker color. If you saturate the color by 10%, you get $40.2043, 0.3309, 0.2586$, and if you desaturate by 10%, it is $56.9431, 0.3194, 0.2997$.

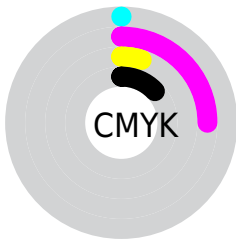
Distribution



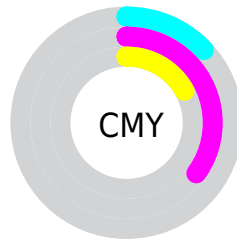
- Red (87%)
- Green (65%)
- Blue (83%)



- Red (87%)
- Yellow (65%)
- Blue (83%)



- Cyan (0%)
- Magenta (25%)
- Yellow (5%)
- Black (13%)





- Cyan (13%)
- Magenta (35%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8702, 0.3248, 0.2791 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 47.8702, 0.3248, 0.2791 by changing the saturation by 10% instead.


 47.8702, 0.3248,
0.2791

 47.8702, 0.3248,
0.2791


378.2774, 0.3192,
0.3029

 33.7241, 0.3261,
0.2735


 87.0111, 0.3229,
0.2875

 22.6817, 0.3276,
0.2665


 112.7747, 0.3221,
0.2907

 14.3587, 0.3295,
0.2574


143.1796, 0.3215,
0.2935

 8.3706, 0.3320,
0.2454


178.6102, 0.3209,
0.2959

 4.3330, 0.3352,
0.2286

219.4509, 0.3204,
0.2980

 1.8615, 0.3395,
0.2036

266.0861, 0.3200,

 0.5251, 0.3497,

0.2998

0.1519

318.9001, 0.3196,
0.3014

0.0000, 0.2315,
0.0000

0.0000, 0.0000,
0.0000

47.8702, 0.3248,
0.2791

47.8702, 0.3248,
0.2791

40.2043, 0.3309,
0.2586

56.9431, 0.3194,
0.2997

33.8675, 0.3377,
0.2391

67.4828, 0.3147,
0.3197

28.7844, 0.3450,
0.2213

79.5536, 0.3107,
0.3388

24.8691, 0.3528,
0.2063

92.7001, 0.3073,
0.3560

■ 22.0251, 0.3607,
0.1952

■ 92.9514, 0.3048,
0.3514

■ 20.1403, 0.3685,
0.1885

■ 93.2091, 0.3023,
0.3467

■ 19.0779, 0.3761,
0.1864

■ 93.4732, 0.2999,
0.3421

■ 18.7317, 0.3799,
0.1866

■ 93.7438, 0.2974,
0.3375

■ 94.0210, 0.2950,
0.3330

Harmonies

Analogous

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



47.8702, 0.2825, 0.2627



47.8702, 0.3248, 0.2791



47.8702, 0.3663, 0.3068

Triad

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



47.8702, 0.3248, 0.2791



47.8702, 0.3761, 0.3992



47.8702, 0.2382, 0.3085

Complementary

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



47.8702, 0.3248, 0.2791



63.6884, 0.3026, 0.3847

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.



47.8702, 0.2601, 0.3502



47.8702, 0.3248, 0.2791



47.8702, 0.3391, 0.4058

Square

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



47.8702, 0.3248, 0.2791



47.8702, 0.3966, 0.3742



47.8702, 0.2966, 0.3877



47.8702, 0.2350, 0.2768

Rectangle

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



47.8702, 0.3248, 0.2791



47.8702, 0.3866, 0.3291



47.8702, 0.2966, 0.3877



47.8702, 0.2436, 0.3219

Sweetspot

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



47.8723, 0.3248, 0.2791



88.9072, 0.3157, 0.3152



42.3746, 0.2789, 0.2605



18.8355, 0.3160, 0.3140



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.



47.8723, 0.3248, 0.2791



59.5725, 0.3280, 0.2679



46.6086, 0.3493, 0.3098



13.8861, 0.3168, 0.3104



11.1390, 0.3789, 0.1861



0.7842, 0.3683, 0.1802

Inverse Universe

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



47.8723, 0.3248, 0.2791



59.5725, 0.3280, 0.2679



64.9065, 0.2859, 0.3492



13.8861, 0.3168, 0.3104



11.1390, 0.3789, 0.1861



0.7842, 0.3683, 0.1802

Previews

White Background



This preview shows how the Yxy color 47.8702, 0.3248, 0.2791 looks on a white background.

Color Contrast Check

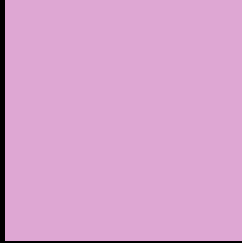
Large Text (above 18pt) WCAG AA × Fail

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 47.8702, 0.3248, 0.2791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

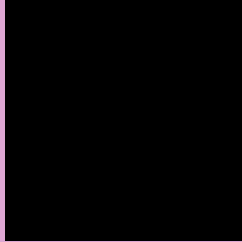
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8702, 0.3248, 0.2791

Background



This preview shows how black text looks on a background with the Yxy color 47.8702, 0.3248, 0.2791.



This preview shows how white text looks on a background with the Yxy color 47.8702, 0.3248, 0.2791.

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

47.8702, 0.3248, 0.2791

Protanopia

48.3175, 0.2794, 0.2819

Deuteranopia

47.9200, 0.2994, 0.2922



Tritanopia

48.0679, 0.3442, 0.3138

Trichromacy



Original Color

47.8702, 0.3248, 0.2791

Protanomaly

47.7915, 0.2951, 0.2807

Deuteranomaly

47.8696, 0.3079, 0.2872

Tritanomaly

47.8601, 0.3374, 0.3011

Monochromacy



Original Color

47.8702, 0.3248, 0.2791

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

48.9074, 0.3170, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8702, 0.3248, 0.2791 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(222, 167, 211)` looks like.

```
.text, #text, p{  
    color:rgb(222, 167, 211)  
}
```

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(222, 167, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 167, 211) }
```

Border

The CSS property to change the border of an element to Yxy 47.8702, 0.3248, 0.2791 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(222, 167, 211) }
```

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

```
.border{ border-color:rgb(222, 167, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 167, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 167, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 167, 211);  
box-shadow:4px 4px 4px 4px rgb(222, 167,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8702, 0.3248, 0.2791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 167, 211) }
```

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

```
.background{ background-color: rgb(222,  
167, 211) }
```

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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