

Converting Colors

$Y_{xy}(47.3179, 0.3289, 0.2836)$

Have a look what the booklet for
Yxy(47.3179, 0.3289, 0.2836)
contains.

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Color

Yxy(47.2583, 0.3292, 0.2834)

Conversions

Conversions Part 1

Format	Color
Hex	DEA6CE
RGB	222, 166, 206
RGB Percent	87%, 65%, 81%
CMY	0.1294, 0.3490, 0.1923
CMYK	0.00, 0.25, 0.07, 0.13
HSL	317°, 46%, 76%
HSV	317°, 25%, 87%
XYZ	54.8957, 47.2583, 64.6008
YIQ	187.3040, 20.5360, 24.3120

Conversions

Conversions Part 2

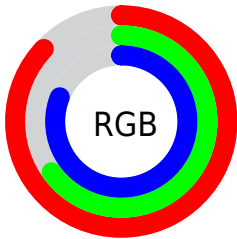
Format	Color
R _Y B	222, 166, 206
Decimal	14591694
CIE Lab	74.35, 26.93, -12.27
CIE LCh	74, 29.597, 335.502
Yxy	47.2583, 0.3292, 0.2834
Android (android.graphics.Color)	4292781774 (0xFFDEA6CE)
YUV	187.3040, 9.2171, 30.4284
Hunter-Lab	68.7447, 22.2370, -7.5948

Details

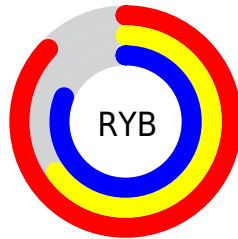
The Yxy color $47.2583, 0.3292, 0.2834$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $63.7252, 0.2995, 0.3794$, and the grayscale version is $49.8133, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.1929, 0.3143, 0.2960$, and $22.4086, 0.3326, 0.2719$ is the 20% darker color. If you saturate the color by 10%, you get $39.5708, 0.3377, 0.2649$, and if you desaturate by 10%, it is $56.3555, 0.3219, 0.3019$.

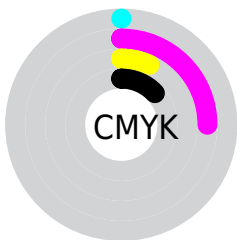
Distribution



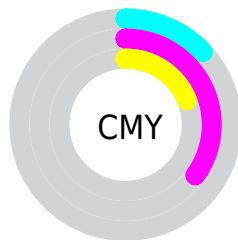
- Red (87%)
- Green (65%)
- Blue (81%)



- Red (87%)
- Yellow (65%)
- Blue (81%)



- Cyan (0%)
- Magenta (25%)
- Yellow (7%)
- Black (13%)




- Cyan (13%)
- Magenta (35%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2583, 0.3292, 0.2834 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 47.2583, 0.3292, 0.2834 by changing the saturation by 10% instead.


 47.2583, 0.3292,
0.2834


 47.2583, 0.3292,
0.2834


375.8446, 0.3214,
0.3053

 33.2399, 0.3310,
0.2782


 86.0991, 0.3264,
0.2912

 22.3103, 0.3333,
0.2717


 111.6902, 0.3254,
0.2941

 14.0851, 0.3363,
0.2633


141.9077, 0.3245,
0.2967

 8.1799, 0.3401,
0.2520

177.1360, 0.3237,
0.2988

 4.2103, 0.3455,
0.2360

217.7594, 0.3230,
0.3008

 1.7919, 0.3535,
0.2121

264.1624, 0.3224,

 0.4821, 0.3728,

0.3025

0.1568

316.7293, 0.3219,
0.3039

0.0000, 0.2633,
0.0000

0.0000, 0.0000,
0.0000

47.2583, 0.3292,
0.2834

47.2583, 0.3292,
0.2834

39.5708, 0.3377,
0.2649

56.3555, 0.3219,
0.3019

33.2150, 0.3472,
0.2470

66.9226, 0.3156,
0.3199

28.1149, 0.3579,
0.2308

79.0240, 0.3103,
0.3371

24.1843, 0.3693,
0.2174

92.7185, 0.3058,
0.3531

■ 21.3261, 0.3813,
0.2077

■ 93.2059, 0.3023,
0.3467

■ 19.4273, 0.3934,
0.2026

■ 93.5855, 0.2988,
0.3401

■ 18.3495, 0.4052,
0.2025

■ 93.9783, 0.2953,
0.3336

■ 18.0124, 0.4107,
0.2036

■ 94.2682, 0.2929,
0.3289

Harmonies

Analogous

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



47.2583, 0.2879, 0.2661



47.2583, 0.3292, 0.2834



47.2583, 0.3681, 0.3112

Triad

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



47.2583, 0.3292, 0.2834



47.2583, 0.3704, 0.3983



47.2583, 0.2396, 0.3053

Complementary

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



47.2583, 0.3292, 0.2834



63.7252, 0.2995, 0.3794

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.



47.2583, 0.2588, 0.3448



47.2583, 0.3292, 0.2834



47.2583, 0.3337, 0.4020

Square

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



47.2583, 0.3292, 0.2834



47.2583, 0.3923, 0.3760



47.2583, 0.2928, 0.3820



47.2583, 0.2385, 0.2762

Rectangle

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



47.2583, 0.3292, 0.2834



47.2583, 0.3862, 0.3330



47.2583, 0.2928, 0.3820



47.2583, 0.2441, 0.3178

Sweetspot

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



47.2604, 0.3292, 0.2834



87.2975, 0.3173, 0.3149



42.4807, 0.2820, 0.2599



18.2065, 0.3182, 0.3122



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.



47.2604, 0.3292, 0.2834



59.1893, 0.3333, 0.2741



46.0257, 0.3544, 0.3148



13.8652, 0.3181, 0.3124



10.7201, 0.4091, 0.2027



0.7583, 0.3923, 0.1935

Inverse Universe

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



47.2604, 0.3292, 0.2834



59.1893, 0.3333, 0.2741



64.9926, 0.2828, 0.3438



13.8652, 0.3181, 0.3124



10.7201, 0.4091, 0.2027



0.7583, 0.3923, 0.1935

Previews

White Background



This preview shows how the Yxy color 47.2583, 0.3292, 0.2834 looks on a white background.

Color Contrast Check

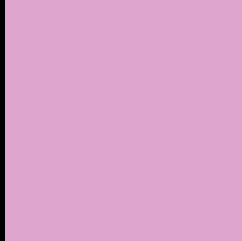
Large Text (above 18pt) WCAG AA × Fail

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 47.2583, 0.3292, 0.2834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

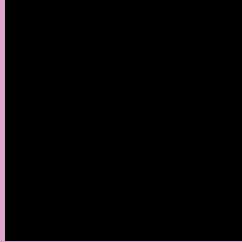
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.2583, 0.3292, 0.2834

Background



This preview shows how black text looks on a background with the Yxy color 47.2583, 0.3292, 0.2834.



This preview shows how white text looks on a background with the Yxy color 47.2583, 0.3292, 0.2834.

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

47.2583, 0.3292, 0.2834

Protanopia

47.6439, 0.2827, 0.2864

Deuteranopia

47.2768, 0.3033, 0.2968



Tritanopia

47.2284, 0.3463, 0.3137

Trichromacy



Original Color

47.2583, 0.3292, 0.2834

Protanomaly

47.1416, 0.2988, 0.2851

Deuteranomaly

47.2364, 0.3119, 0.2917

Tritanomaly

47.3532, 0.3402, 0.3034

Monochromacy



Original Color

47.2583, 0.3292, 0.2834

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.4146, 0.3187, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2583, 0.3292, 0.2834 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, 166, 206)` looks like.

```
.text, #text, p{  
    color:rgb(222, 166, 206)  
}
```

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, 166, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 166, 206) }
```

Border

The CSS property to change the border of an element to Yxy 47.2583, 0.3292, 0.2834 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, 166, 206) }
```

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

```
.border{ border-color:rgb(222, 166, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 166, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 166, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 166, 206);  
box-shadow:4px 4px 4px 4px rgb(222, 166,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2583, 0.3292, 0.2834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 166, 206) }
```

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

```
.background{ background-color: rgb(222,  
166, 206) }
```

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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