

Converting Colors

$Y_{xy}(42.2103, 0.3293, 0.2667)$

Have a look what the booklet for
Yxy(42.2103, 0.3293, 0.2667)
contains.

Yxy(42.2849, 0.3297, 0.2672)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.2849, 0.3297, 0.2672)

Conversions

Conversions Part 1

Format	Color
Hex	DD98CE
RGB	221, 152, 206
RGB Percent	87%, 60%, 81%
CMY	0.1335, 0.4038, 0.1922
CMYK	0.00, 0.31, 0.07, 0.13
HSL	313°, 50%, 73%
HSV	313°, 31%, 87%
XYZ	52.1756, 42.2849, 63.7913
YIQ	178.7870, 23.7900, 31.4220

Conversions

Conversions Part 2

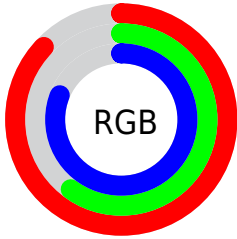
Format	Color
R _Y B	221, 152, 206
Decimal	14522574
CIE Lab	71.07, 34.11, -17.24
CIE LCh	71, 38.218, 333.192
Yxy	42.2849, 0.3297, 0.2672
Android (android.graphics.Color)	4292712654 (0xFFDD98CE)
YUV	178.7870, 13.4160, 37.0208
Hunter-Lab	65.0268, 29.4262, -12.6447

Details

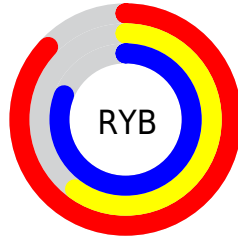
The Yxy color $42.2849, 0.3297, 0.2672$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $61.1587, 0.2994, 0.4000$, and the grayscale version is $44.8784, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.1056, 0.3149, 0.2821$, and $19.3807, 0.3334, 0.2510$ is the 20% darker color. If you saturate the color by 10%, you get $35.5386, 0.3367, 0.2475$, and if you desaturate by 10%, it is $50.3782, 0.3234, 0.2874$.

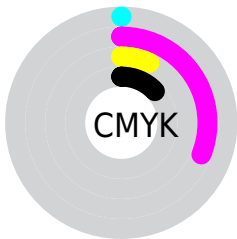
Distribution



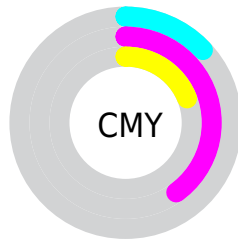
- Red (87%)
- Green (60%)
- Blue (81%)



- Red (87%)
- Yellow (60%)
- Blue (81%)



- Cyan (0%)
- Magenta (31%)
- Yellow (7%)
- Black (13%)





- Cyan (13%)
- Magenta (40%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2849, 0.3297, 0.2672 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 42.2849, 0.3297, 0.2672 by changing the saturation by 10% instead.


 42.2849, 0.3297,
0.2672

 42.2849, 0.3297,
0.2672


355.6626, 0.3218,
0.2970

 29.3244, 0.3315,
0.2601


 78.6306, 0.3270,
0.2777

 19.3264, 0.3337,
0.2512


 102.7847, 0.3259,
0.2818

 11.9064, 0.3365,
0.2398


131.4387, 0.3250,
0.2852

 6.6799, 0.3400,
0.2244

164.9772, 0.3242,
0.2882

 3.2628, 0.3447,
0.2030

203.7844, 0.3235,
0.2908

 1.2704, 0.3509,
0.1710

248.2447, 0.3229,

 0.1181, 0.3874,

0.2931

0.0482

298.7427, 0.3223,
0.2951

0.0000, 0.0000,
0.0000

42.2849, 0.3297,
0.2672

42.2849, 0.3297,
0.2672

35.5386, 0.3367,
0.2475

50.3782, 0.3234,
0.2874

30.0592, 0.3445,
0.2293

59.8814, 0.3180,
0.3074

25.7670, 0.3528,
0.2135

70.8603, 0.3132,
0.3268

22.5708, 0.3614,
0.2011

83.3750, 0.3092,
0.3451

20.3661, 0.3701,
0.1930

92.5977, 0.3060,
0.3548

■ 19.0280, 0.3785,
0.1896

■ 92.8712, 0.3033,
0.3498

■ 18.3805, 0.3857,
0.1899

■ 93.1521, 0.3006,
0.3448

■ 93.4406, 0.2980,
0.3398

■ 93.7367, 0.2954,
0.3348

Harmonies

Analogous

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



42.2849, 0.2753, 0.2462



42.2849, 0.3297, 0.2672



42.2849, 0.3835, 0.3017

Triad

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



42.2849, 0.3297, 0.2672



42.2849, 0.3916, 0.4191



42.2849, 0.2180, 0.2996

Complementary

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



42.2849, 0.3297, 0.2672



61.1587, 0.2994, 0.4000

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.



42.2849, 0.2439, 0.3540



42.2849, 0.3297, 0.2672



42.2849, 0.3433, 0.4290

Square

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



42.2849, 0.3297, 0.2672



42.2849, 0.4199, 0.3861



42.2849, 0.2892, 0.4050



42.2849, 0.2151, 0.2606

Rectangle

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



42.2849, 0.3297, 0.2672



42.2849, 0.4094, 0.3294



42.2849, 0.2892, 0.4050



42.2849, 0.2241, 0.3167

Sweetspot

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



42.2868, 0.3297, 0.2672



85.9044, 0.3169, 0.3116



35.8959, 0.2693, 0.2404



17.9338, 0.3176, 0.3087



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.



42.2868, 0.3297, 0.2672



52.5969, 0.3339, 0.2551



40.7932, 0.3632, 0.3059



13.2239, 0.3171, 0.3109



10.6996, 0.3845, 0.1892



0.7055, 0.3721, 0.1824

Inverse Universe

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



42.2868, 0.3297, 0.2672



52.5969, 0.3339, 0.2551



62.6056, 0.2791, 0.3537



13.2239, 0.3171, 0.3109



10.6996, 0.3845, 0.1892



0.7055, 0.3721, 0.1824

Previews

White Background



This preview shows how the Yxy color 42.2849, 0.3297, 0.2672 looks on a white background.

Color Contrast Check

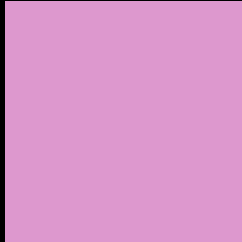
Large Text (above 18pt) WCAG AA × Fail

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 42.2849, 0.3297, 0.2672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

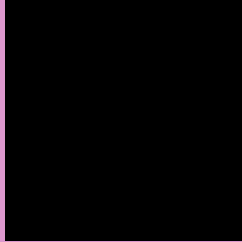
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2849, 0.3297, 0.2672

Background



This preview shows how black text looks on a background with the Yxy color 42.2849, 0.3297, 0.2672.



This preview shows how white text looks on a background with the Yxy color 42.2849, 0.3297, 0.2672.

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

42.2849, 0.3297, 0.2672

Protanopia

42.4589, 0.2692, 0.2672

Deuteranopia

42.5262, 0.2931, 0.2865



Tritanopia

42.4883, 0.3582, 0.3147

Trichromacy



Original Color

42.2849, 0.3297, 0.2672

Protanomaly

42.0069, 0.2888, 0.2667

Deuteranomaly

42.0234, 0.3061, 0.2782

Tritanomaly

42.1431, 0.3471, 0.2958

Monochromacy



Original Color

42.2849, 0.3297, 0.2672

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

43.5194, 0.3184, 0.3037

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2849, 0.3297, 0.2672 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(221, 152, 206)` looks like.

```
.text, #text, p{  
    color:rgb(221, 152, 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(221, 152, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 152, 206) }
```

Border

The CSS property to change the border of an element to Yxy 42.2849, 0.3297, 0.2672 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(221, 152, 206) }
```

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

```
.border{ border-color:rgb(221, 152, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 152, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 152, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 152, 206);  
box-shadow:4px 4px 4px 4px rgb(221, 152,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2849, 0.3297, 0.2672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 152, 206) }
```

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

```
.background{ background-color: rgb(221,  
152, 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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