

# Converting Colors

$Y_{xy}(42.0859, 0.3247, 0.2598)$

Have a look what the booklet for  
Yxy(42.0859, 0.3247, 0.2598)  
contains.

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# Color

**Yxy(42.2588, 0.3244, 0.2597)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DD97D4
RGB	221, 151, 212
RGB Percent	87%, 59%, 83%
CMY	0.1331, 0.4080, 0.1685
CMYK	0.00, 0.32, 0.04, 0.13
HSL	308°, 51%, 73%
HSV	308°, 32%, 87%
XYZ	52.7869, 42.2588, 67.6759
YIQ	178.8840, 22.1390, 33.8110

# Conversions

## Conversions Part 2

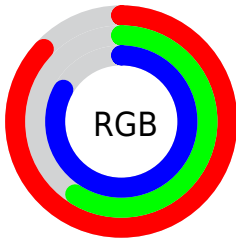
Format	Color
R <sub>Y</sub> B	221, 151, 212
Decimal	14522324
CIE Lab	71.05, 35.78, -20.60
CIE LCh	71, 41.285, 330.072
Yxy	42.2588, 0.3244, 0.2597
Android (android.graphics.Color)	4292712404 (0xFFDD97D4)
YUV	178.8840, 16.3262, 36.9357
Hunter-Lab	65.0068, 31.1840, -16.2197

# Details

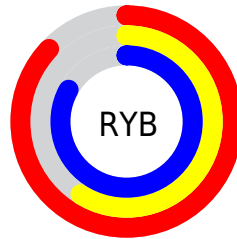
The Yxy color **42.2588, 0.3244, 0.2597** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **60.8651, 0.3029, 0.4099**, and the grayscale version is **44.9188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **19.3573, 0.3271, 0.2429** is the 20% darker color. If you saturate the color by 10%, you get **35.6589, 0.3289, 0.2384**, and if you desaturate by 10%, it is **50.1990, 0.3203, 0.2818**.

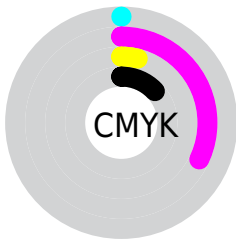
# Distribution



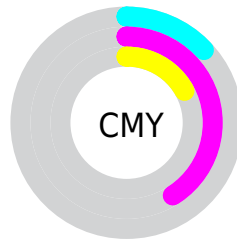
- Red (87%)
- Green (59%)
- Blue (83%)



- Red (87%)
- Yellow (59%)
- Blue (83%)



- Cyan (0%)
- Magenta (32%)
- Yellow (4%)
- Black (13%)



- Cyan (13%)
- Magenta (41%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2588, 0.3244, 0.2597 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 42.2588, 0.3244, 0.2597 by changing the saturation by 10% instead.





 42.2588, 0.3244,  
0.2597


 42.2588, 0.3244,  
0.2597


355.5546, 0.3193,  
0.2928

 29.3040, 0.3254,  
0.2519


 78.5912, 0.3227,  
0.2714

 19.3109, 0.3267,  
0.2421


 102.7375, 0.3221,  
0.2759

 11.8951, 0.3281,  
0.2296


131.3831, 0.3215,  
0.2797

 6.6723, 0.3297,  
0.2130

164.9125, 0.3209,  
0.2830

 3.2580, 0.3313,  
0.1901

203.7099, 0.3205,  
0.2860

 1.2679, 0.3323,  
0.1566

248.1598, 0.3201,

 0.1161, 0.3532,

0.2885

0.0413

298.6466, 0.3197,  
0.2908

0.0000, 0.0000,  
0.0000

42.2588, 0.3244,  
0.2597

42.2588, 0.3244,  
0.2597

35.6589, 0.3289,  
0.2384

50.1990, 0.3203,  
0.2818

30.3189, 0.3338,  
0.2188

59.5428, 0.3165,  
0.3039

26.1586, 0.3388,  
0.2019


70.3563, 0.3132,  
0.3254

23.0861, 0.3438,  
0.1886


82.6997, 0.3104,  
0.3459

20.9960, 0.3487,  
0.1795


92.4102, 0.3081,  
0.3587


 19.7621, 0.3533,  
0.1750

 92.5684, 0.3065,  
0.3557

 19.2128, 0.3569,  
0.1740

 92.7293, 0.3049,  
0.3527

 92.8928, 0.3033,  
0.3497

 93.0589, 0.3017,  
0.3467

# Harmonies

## Analogous

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



42.2588, 0.2669, 0.2391



42.2588, 0.3244, 0.2597



42.2588, 0.3837, 0.2952

# Triad

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



42.2588, 0.3244, 0.2597



42.2588, 0.4017, 0.4229



42.2588, 0.2128, 0.3023

# Complementary

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



42.2588, 0.3244, 0.2597



60.8651, 0.3029, 0.4099

# 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.



42.2588, 0.2428, 0.3623



42.2588, 0.3244, 0.2597



42.2588, 0.3511, 0.4379

# Square

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



42.2588, 0.3244, 0.2597



42.2588, 0.4297, 0.3851



42.2588, 0.2928, 0.4162



42.2588, 0.2073, 0.2584



# Rectangle

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



42.2588, 0.3244, 0.2597



42.2588, 0.4138, 0.3241



42.2588, 0.2928, 0.4162



42.2588, 0.2201, 0.3213

# Sweetspot

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



42.2607, 0.3244, 0.2597



84.5855, 0.3160, 0.3075



34.7330, 0.2628, 0.2374



17.6772, 0.3164, 0.3044



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.



42.2607, 0.3244, 0.2597



52.1883, 0.3273, 0.2455



40.7141, 0.3572, 0.2973



13.2444, 0.3157, 0.3089



11.1649, 0.3562, 0.1736



0.7316, 0.3497, 0.1700



# Inverse Universe

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



42.2607, 0.3244, 0.2597



52.1883, 0.3273, 0.2455



62.2304, 0.2826, 0.3634



13.2444, 0.3157, 0.3089



11.1649, 0.3562, 0.1736

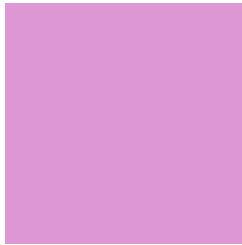


0.7316, 0.3497, 0.1700



# Previews

## White Background



This preview shows how the Yxy color 42.2588, 0.3244, 0.2597 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

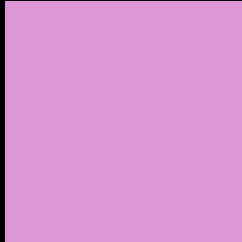
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.2588, 0.3244, 0.2597 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

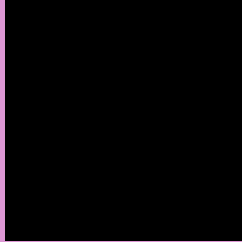
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.2588, 0.3244, 0.2597**

## Background



This preview shows how black text looks on a background with the Yxy color 42.2588, 0.3244, 0.2597.



This preview shows how white text looks on a background with the Yxy color 42.2588, 0.3244, 0.2597.

# 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

42.2588, 0.3244, 0.2597

### Protanopia

42.5247, 0.2625, 0.2589

### Deuteranopia

42.3022, 0.2860, 0.2800



## Tritanopia

42.3355, 0.3572, 0.3146

# Trichromacy



## Original Color

42.2588, 0.3244, 0.2597



## Protanomaly

41.7699, 0.2819, 0.2574



## Deuteranomaly

41.8742, 0.2994, 0.2720



## Tritanomaly

42.2275, 0.3452, 0.2935

# Monochromacy



## Original Color

42.2588, 0.3244, 0.2597



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

43.6069, 0.3167, 0.3013

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.2588, 0.3244, 0.2597 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, 151, 212)` looks like.

```
.text, #text, p{  
    color:rgb(221, 151, 212)  
}
```

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, 151, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 151, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 42.2588, 0.3244, 0.2597 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, 151, 212) }
```

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

```
.border{ border-color:rgb(221, 151, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 151, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 151, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 151, 212);  
box-shadow:4px 4px 4px 4px rgb(221, 151,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.2588, 0.3244, 0.2597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 151, 212) }
```

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

```
.background{ background-color: rgb(221,  
151, 212) }
```

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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