

# Converting Colors

$Y_{xy}(42.9063, 0.3494, 0.2923)$

Have a look what the booklet for  
Yxy(42.9063, 0.3494, 0.2923)  
contains.

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# Color

**Yxy(42.7185, 0.3492, 0.2918)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DF9BBB
RGB	223, 155, 187
RGB Percent	87%, 61%, 73%
CMY	0.1255, 0.3921, 0.2667
CMYK	0.00, 0.30, 0.16, 0.13
HSL	332°, 52%, 74%
HSV	332°, 30%, 87%
XYZ	51.1217, 42.7185, 52.5563
YIQ	178.9800, 30.2560, 24.3680

# Conversions

## Conversions Part 2

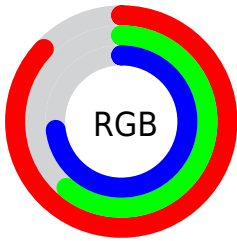
Format	Color
R <sub>Y</sub> B	223, 155, 187
Decimal	14654395
CIE Lab	71.36, 30.06, -6.26
CIE LCh	71, 30.701, 348.236
Yxy	42.7185, 0.3492, 0.2918
Android (android.graphics.Color)	4292844475 (0xFFDF9BBB)
YUV	178.9800, 3.9539, 38.6055
Hunter-Lab	65.3594, 25.2371, -1.9243

# Details

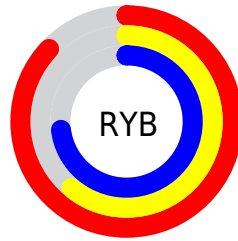
The Yxy color  $42.7185, 0.3492, 0.2918$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $63.5088, 0.2871, 0.3697$ , and the grayscale version is  $45.0354, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $73.8243, 0.3230, 0.2964$ , and  $19.6372, 0.3597, 0.2815$  is the 20% darker color. If you saturate the color by 10%, you get  $35.4851, 0.3662, 0.2793$ , and if you desaturate by 10%, it is  $51.3681, 0.3349, 0.3045$ .

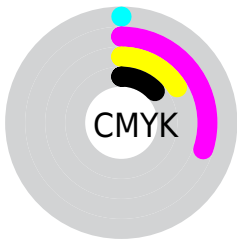
# Distribution



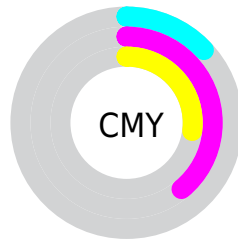
- Red (87%)
- Green (61%)
- Blue (73%)



- Red (87%)
- Yellow (61%)
- Blue (73%)



- Cyan (0%)
- Magenta (30%)
- Yellow (16%)
- Black (13%)




- Cyan (13%)
- Magenta (39%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7185, 0.3492, 0.2918 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 42.7185, 0.3492, 0.2918 by changing the saturation by 10% instead.





 42.7185, 0.3492,  
0.2918


 42.7185, 0.3492,  
0.2918


357.4528, 0.3310,  
0.3102

 29.6643, 0.3538,  
0.2873

 79.2859, 0.3426,  
0.2984

 19.5839, 0.3596,  
0.2815


 103.5679, 0.3401,  
0.3009

 12.0930, 0.3674,  
0.2740


132.3613, 0.3380,  
0.3030

 6.8070, 0.3783,  
0.2636

166.0504, 0.3362,  
0.3049

 3.3417, 0.3944,  
0.2484

205.0198, 0.3346,  
0.3064

 1.3126, 0.4211,  
0.2242

249.6537, 0.3332,

 0.1509, 0.5383,

0.3078

0.0926

300.3366, 0.3320,  
0.3091

0.0000, 0.0000,  
0.0000

42.7185, 0.3492,  
0.2918

42.7185, 0.3492,  
0.2918

35.4851, 0.3662,  
0.2793

51.3681, 0.3349,  
0.3045

29.5854, 0.3862,  
0.2676

61.4987, 0.3230,  
0.3168

24.9375, 0.4089,  
0.2578

73.1783, 0.3132,  
0.3284

21.4478, 0.4341,  
0.2511

86.4687, 0.3051,  
0.3393

19.0097, 0.4607,  
0.2487

93.8652, 0.2983,  
0.3380

■ 17.4959, 0.4872,  
0.2517

■ 94.4285, 0.2935,  
0.3289

■ 16.7059, 0.5112,  
0.2590

# Harmonies

## Analogous

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



42.7185, 0.3042, 0.2681



42.7185, 0.3492, 0.2918



42.7185, 0.3857, 0.3244

# Triad

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



42.7185, 0.3492, 0.2918



42.7185, 0.3589, 0.4081



42.7185, 0.2318, 0.2883

# Complementary

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



42.7185, 0.3492, 0.2918



63.5088, 0.2871, 0.3697

# 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.



42.7185, 0.2441, 0.3271



42.7185, 0.3492, 0.2918



42.7185, 0.3162, 0.4016

# Square

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



42.7185, 0.3492, 0.2918



42.7185, 0.3905, 0.3911



42.7185, 0.2744, 0.3705



42.7185, 0.2389, 0.2643



# Rectangle

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



42.7185, 0.3492, 0.2918



42.7185, 0.3987, 0.3482



42.7185, 0.2744, 0.3705



42.7185, 0.2337, 0.2999

# Sweetspot

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



42.7205, 0.3492, 0.2918



85.4630, 0.3215, 0.3185



39.7375, 0.2875, 0.2467



17.8248, 0.3230, 0.3167



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.



42.7205, 0.3492, 0.2918



51.0365, 0.3604, 0.2832



41.8790, 0.3809, 0.3306



13.8073, 0.3219, 0.3180



9.8450, 0.5077, 0.2571



0.7004, 0.4714, 0.2371



# Inverse Universe

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



42.7205, 0.3492, 0.2918



51.0365, 0.3604, 0.2832



64.4705, 0.2688, 0.3275



13.8073, 0.3219, 0.3180



9.8450, 0.5077, 0.2571

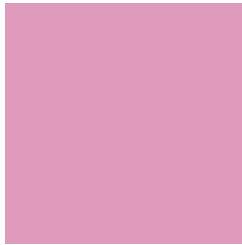


0.7004, 0.4714, 0.2371



# Previews

## White Background



This preview shows how the Yxy color 42.7185, 0.3492, 0.2918 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

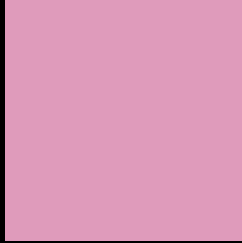
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.7185, 0.3492, 0.2918 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

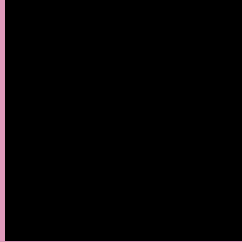
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.7185, 0.3492, 0.2918**

## Background



This preview shows how black text looks on a background with the Yxy color 42.7185, 0.3492, 0.2918.



This preview shows how white text looks on a background with the Yxy color 42.7185, 0.3492, 0.2918.

# 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

42.7185, 0.3492, 0.2918

### Protanopia

43.0536, 0.2905, 0.2961

### Deuteranopia

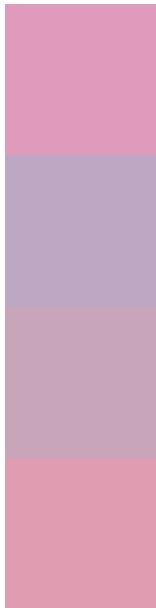
42.9015, 0.3172, 0.3109



## Tritanopia

42.7282, 0.3633, 0.3149

# Trichromacy



## Original Color

42.7185, 0.3492, 0.2918

## Protanomaly

42.5247, 0.3099, 0.2935

## Deuteranomaly

42.8306, 0.3287, 0.3041

## Tritanomaly

42.7781, 0.3586, 0.3067

# Monochromacy



## Original Color

42.7185, 0.3492, 0.2918

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

43.7290, 0.3252, 0.3138

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.7185, 0.3492, 0.2918 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(223, 155, 187)` looks like.

```
.text, #text, p{  
    color:rgb(223, 155, 187)  
}
```

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(223, 155, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 155, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 42.7185, 0.3492, 0.2918 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(223, 155, 187) }
```

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

```
.border{ border-color:rgb(223, 155, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 155, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 155, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 155, 187);  
box-shadow:4px 4px 4px 4px rgb(223, 155,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.7185, 0.3492, 0.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 155, 187) }
```

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

```
.background{ background-color: rgb(223,  
155, 187) }
```

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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