

# Converting Colors

$Y_{xy}(42.9632, 0.3396, 0.2816)$

Have a look what the booklet for  
Yxy(42.9632, 0.3396, 0.2816)  
contains.

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# Color

**Yxy(42.9578, 0.3396, 0.2816)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE9BC4
RGB	222, 155, 196
RGB Percent	87%, 61%, 77%
CMY	0.1295, 0.3921, 0.2314
CMYK	0.00, 0.30, 0.12, 0.13
HSL	323°, 50%, 74%
HSV	323°, 30%, 87%
XYZ	51.8056, 42.9578, 57.7856
YIQ	179.7070, 26.7710, 26.9550

# Conversions

## Conversions Part 2

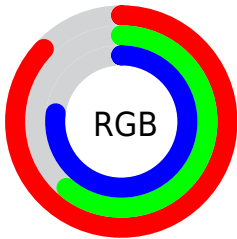
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 155, 196
Decimal	14588868
CIE <sub>Lab</sub>	71.53, 31.16, -11.02
CIE <sub>LCh</sub>	72, 33.051, 340.526
Yxy	42.9578, 0.3396, 0.2816
Android (android.graphics.Color)	4292778948 (0xFFDE9BC4)
YUV	179.7070, 8.0324, 37.0910
Hunter-Lab	65.5422, 26.3905, -6.3937

# Details

The Yxy color  $42.9578, 0.3396, 0.2816$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $62.5404, 0.2929, 0.3819$ , and the grayscale version is  $45.4230, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $74.4450, 0.3161, 0.2869$ , and  $19.7605, 0.3474, 0.2696$  is the 20% darker color. If you saturate the color by 10%, you get  $35.8560, 0.3518, 0.2656$ , and if you desaturate by 10%, it is  $51.4442, 0.3291, 0.2978$ .

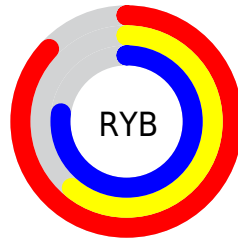
# Distribution



Red (87%)

Green (61%)

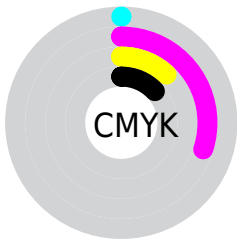
Blue (77%)



Red (87%)

Yellow (61%)

Blue (77%)

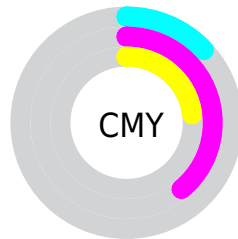


Cyan (0%)

Magenta (30%)

Yellow (12%)

Black (13%)



Cyan (13%)

Magenta (39%)


Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9578, 0.3396, 0.2816 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 42.9578, 0.3396, 0.2816 by changing the saturation by 10% instead.




 42.9578, 0.3396,  
0.2816


 42.9578, 0.3396,  
0.2816


358.4382, 0.3264,  
0.3047

 29.8520, 0.3428,  
0.2760


 79.6472, 0.3349,  
0.2898

 19.7263, 0.3469,  
0.2690


 103.9995, 0.3331,  
0.2930

 12.1962, 0.3522,  
0.2598


132.8696, 0.3316,  
0.2957

 6.8775, 0.3595,  
0.2473

166.6416, 0.3303,  
0.2980

 3.3856, 0.3700,  
0.2295

205.7001, 0.3291,  
0.3000

 1.3362, 0.3865,  
0.2020

250.4295, 0.3281,

 0.1690, 0.4513,

0.3017

0.0825

301.2140, 0.3272,  
0.3033

0.0000, 0.0000,  
0.0000

42.9578, 0.3396,  
0.2816

42.9578, 0.3396,  
0.2816

35.8560, 0.3518,  
0.2656

51.4442, 0.3291,  
0.2978

30.0580, 0.3658,  
0.2506

61.3785, 0.3203,  
0.3136

25.4838, 0.3814,  
0.2376

72.8272, 0.3128,  
0.3288

22.0419, 0.3984,  
0.2277

85.8510, 0.3066,  
0.3430

19.6279, 0.4161,  
0.2222

93.2830, 0.3015,  
0.3453

■ 18.1178, 0.4339,  
0.2217

■ 93.8045, 0.2968,  
0.3364

■ 17.3007, 0.4510,  
0.2258

■ 94.2672, 0.2929,  
0.3289

# Harmonies

## Analogous

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



42.9578, 0.2915, 0.2597



42.9578, 0.3396, 0.2816



42.9578, 0.3828, 0.3144

# Triad

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



42.9578, 0.3396, 0.2816



42.9578, 0.3724, 0.4113



42.9578, 0.2276, 0.2945

# Complementary

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



42.9578, 0.3396, 0.2816



62.5404, 0.2929, 0.3819

# 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.



42.9578, 0.2459, 0.3390



42.9578, 0.3396, 0.2816



42.9578, 0.3284, 0.4119

# Square

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



42.9578, 0.3396, 0.2816



42.9578, 0.4016, 0.3876



42.9578, 0.2821, 0.3844



42.9578, 0.2299, 0.2644



# Rectangle

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



42.9578, 0.3396, 0.2816



42.9578, 0.4012, 0.3394



42.9578, 0.2821, 0.3844



42.9578, 0.2315, 0.3081

# Sweetspot

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



42.9598, 0.3396, 0.2816



85.6611, 0.3194, 0.3153



38.5059, 0.2802, 0.2459



17.8736, 0.3206, 0.3131



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.



42.9598, 0.3396, 0.2816



52.6601, 0.3468, 0.2718



41.6123, 0.3723, 0.3199



13.8408, 0.3197, 0.3147



10.3003, 0.4486, 0.2245



0.7313, 0.4236, 0.2107



# Inverse Universe

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



42.9598, 0.3396, 0.2816



52.6601, 0.3468, 0.2718



64.0681, 0.2737, 0.3386



13.8408, 0.3197, 0.3147



10.3003, 0.4486, 0.2245



0.7313, 0.4236, 0.2107



# Previews

## White Background



This preview shows how the Yxy color 42.9578, 0.3396, 0.2816 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

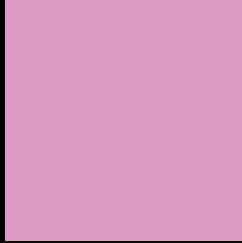
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.9578, 0.3396, 0.2816 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 42.9578, 0.3396, 0.2816**

## Background



This preview shows how black text looks on a background with the Yxy color 42.9578, 0.3396, 0.2816.



This preview shows how white text looks on a background with the Yxy color 42.9578, 0.3396, 0.2816.

# 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

42.9578, 0.3396, 0.2816

### Protanopia

43.2612, 0.2823, 0.2848

### Deuteranopia

43.2904, 0.3070, 0.3007



## Tritanopia

42.8349, 0.3591, 0.3136

# Trichromacy



## Original Color

42.9578, 0.3396, 0.2816

## Protanomaly

42.6884, 0.3008, 0.2825

## Deuteranomaly

42.8111, 0.3181, 0.2929

## Tritanomaly

43.0056, 0.3515, 0.3019

# Monochromacy



## Original Color

42.9578, 0.3396, 0.2816

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

44.2731, 0.3217, 0.3101

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.9578, 0.3396, 0.2816 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, 155, 196)` looks like.

```
.text, #text, p{  
    color:rgb(222, 155, 196)  
}
```

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, 155, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 155, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 42.9578, 0.3396, 0.2816 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, 155, 196) }
```

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

```
.border{ border-color:rgb(222, 155, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 155, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 155, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 155, 196); box-shadow:4px 4px 4px 4px rgb(222, 155, 196) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.9578, 0.3396, 0.2816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 155, 196) }
```

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

```
.background{ background-color: rgb(222,  
155, 196) }
```

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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