

# Converting Colors

$Y_{xy}(40.0263, 0.33335, 0.2712)$

Have a look what the booklet for  
Yxy(40.0263, 0.3335, 0.2712)  
contains.

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# Color

**Yxy(39.8560, 0.3329, 0.2702)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D894C6
RGB	216, 148, 198
RGB Percent	85%, 58%, 78%
CMY	0.1529, 0.4196, 0.2234
CMYK	0.00, 0.31, 0.08, 0.15
HSL	316°, 47%, 71%
HSV	316°, 31%, 85%
XYZ	49.1046, 39.8560, 58.5450
YIQ	174.0320, 24.4780, 29.9660

# Conversions

## Conversions Part 2

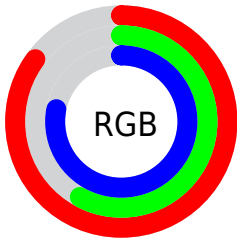
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 148, 198
Decimal	14193862
CIE Lab	69.37, 33.24, -15.45
CIE LCh	69, 36.657, 335.076
Yxy	39.8560, 0.3329, 0.2702
Android (android.graphics.Color)	4292383942 (0xFFD894C6)
YUV	174.0320, 11.8162, 36.8059
Hunter-Lab	63.1316, 28.3593, -10.7903

# Details

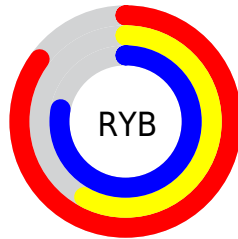
The Yxy color **39.8560, 0.3329, 0.2702** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **58.1620, 0.2973, 0.3962**, and the grayscale version is **42.2750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1919, 0.3151, 0.2782**, and **17.8529, 0.3381, 0.2545** is the 20% darker color. If you saturate the color by 10%, you get **33.4434, 0.3414, 0.2516**, and if you desaturate by 10%, it is **47.5465, 0.3254, 0.2893**.

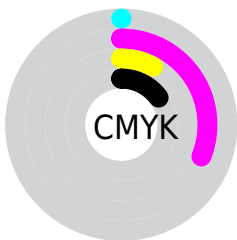
# Distribution



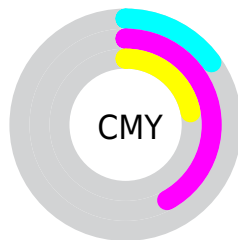
- Red (85%)
- Green (58%)
- Blue (78%)



- Red (85%)
- Yellow (58%)
- Blue (78%)



- Cyan (0%)
- Magenta (31%)
- Yellow (8%)
- Black (15%)



- Cyan (15%)
- Magenta (42%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8560, 0.3329, 0.2702 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 39.8560, 0.3329, 0.2702 by changing the saturation by 10% instead.



 39.8560, 0.3329,  
0.2702


 39.8560, 0.3329,  
0.2702


345.5163, 0.3232,  
0.2989

 27.4263, 0.3352,  
0.2633


 74.9442, 0.3295,  
0.2804

 17.8936, 0.3380,  
0.2545


 98.3714, 0.3282,  
0.2843

 10.8736, 0.3417,  
0.2431


126.2334, 0.3270,  
0.2877

 5.9819, 0.3466,  
0.2277

158.9143, 0.3261,  
0.2905

 2.8341, 0.3533,  
0.2057

196.7987, 0.3252,  
0.2930

 1.0457, 0.3630,  
0.1722

240.2708, 0.3245,

 0.0000, 0.4259,

0.2952


0.0000


289.7152, 0.3238,  
0.2971

 0.0000, 0.0000,  
0.0000

 39.8560, 0.3329,  
0.2702

 39.8560, 0.3329,  
0.2702


 33.4434, 0.3414,  
0.2516


 47.5465, 0.3254,  
0.2893

 28.2327, 0.3508,  
0.2343


 56.5745, 0.3190,  
0.3082


 24.1483, 0.3610,  
0.2193


 67.0026, 0.3135,  
0.3264

 21.1035, 0.3718,  
0.2077


 78.8877, 0.3088,  
0.3436

 18.9992, 0.3827,  
0.2004

 91.6423, 0.3049,  
0.3587


 17.7167, 0.3935,  
0.1979

 91.9622, 0.3017,  
0.3526

 17.0990, 0.4024,  
0.1991

 92.2926, 0.2986,  
0.3465

 92.6337, 0.2955,  
0.3406

 92.9855, 0.2924,  
0.3346

# Harmonies

## Analogous

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



39.8560, 0.2792, 0.2486



39.8560, 0.3329, 0.2702



39.8560, 0.3848, 0.3048

# Triad

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



39.8560, 0.3329, 0.2702



39.8560, 0.3875, 0.4187



39.8560, 0.2190, 0.2974

# Complementary

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



39.8560, 0.3329, 0.2702



58.1620, 0.2973, 0.3962

# 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.



39.8560, 0.2431, 0.3500



39.8560, 0.3329, 0.2702



39.8560, 0.3395, 0.4263

# Square

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



39.8560, 0.3329, 0.2702



39.8560, 0.4167, 0.3875



39.8560, 0.2866, 0.4006



39.8560, 0.2176, 0.2603



# Rectangle

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



39.8560, 0.3329, 0.2702



39.8560, 0.4091, 0.3321



39.8560, 0.2866, 0.4006



39.8560, 0.2246, 0.3138

# Sweetspot

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



39.8578, 0.3329, 0.2702



85.8367, 0.3176, 0.3126



34.1375, 0.2708, 0.2401



17.9170, 0.3184, 0.3099



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.



39.8578, 0.3329, 0.2702



51.4263, 0.3386, 0.2573



38.4961, 0.3661, 0.3084



12.5740, 0.3178, 0.3120



10.1392, 0.4009, 0.1982



0.6249, 0.3841, 0.1889



# Inverse Universe

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



39.8578, 0.3329, 0.2702



51.4263, 0.3386, 0.2573



59.5333, 0.2775, 0.3509



12.5740, 0.3178, 0.3120



10.1392, 0.4009, 0.1982

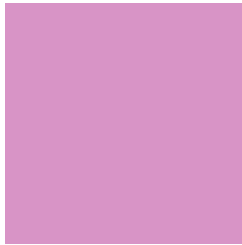


0.6249, 0.3841, 0.1889



# Previews

## White Background



This preview shows how the Yxy color 39.8560, 0.3329, 0.2702 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

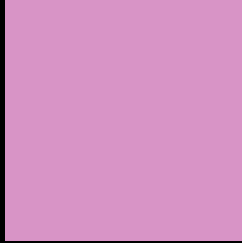
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.8560, 0.3329, 0.2702 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

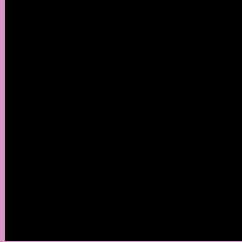
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.8560, 0.3329, 0.2702**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.8560, 0.3329, 0.2702.



This preview shows how white text looks on a background with the Yxy color 39.8560, 0.3329, 0.2702.

# 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

39.8560, 0.3329, 0.2702

### Protanopia

40.1297, 0.2711, 0.2707

### Deuteranopia

39.8491, 0.2958, 0.2892



## Tritanopia

39.8614, 0.3595, 0.3143

# Trichromacy



## Original Color

39.8560, 0.3329, 0.2702

## Protanomaly

39.6980, 0.2914, 0.2701

## Deuteranomaly

39.6006, 0.3085, 0.2818

## Tritanomaly

39.8170, 0.3489, 0.2974

# Monochromacy



## Original Color

39.8560, 0.3329, 0.2702

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

41.1480, 0.3193, 0.3057

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.8560, 0.3329, 0.2702 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(216, 148, 198)` looks like.

```
.text, #text, p{  
    color:rgb(216, 148, 198)  
}
```

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(216, 148, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 148, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 39.8560, 0.3329, 0.2702 is called "border". The border property can be set on classes, ids or directly on the HTML element.

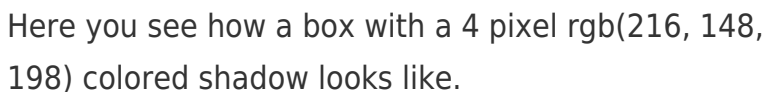
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 148, 198) }
```

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

```
.border{ border-color:rgb(216, 148, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 148, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 148, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 148, 198); box-shadow:4px 4px 4px 4px rgb(216, 148, 198) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.8560, 0.3329, 0.2702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 148, 198) }
```

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

```
.background{ background-color: rgb(216,  
148, 198) }
```

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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