

# Converting Colors

$Y_{xy}(43.0240, 0.3129, 0.2576)$

Have a look what the booklet for  
Yxy(43.0240, 0.3129, 0.2576)  
contains.

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# Color

**Yxy(43.1350, 0.3124, 0.2578)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D69CDA
RGB	214, 156, 218
RGB Percent	84%, 61%, 85%
CMY	0.1609, 0.3882, 0.1450
CMYK	0.02, 0.28, 0.00, 0.15
HSL	296°, 46%, 73%
HSV	296°, 28%, 85%
XYZ	52.2707, 43.1350, 71.9140
YIQ	180.4100, 14.6660, 31.5780

# Conversions

## Conversions Part 2

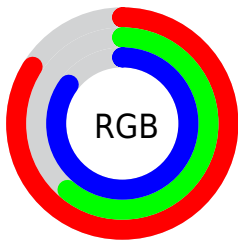
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 156, 218
Decimal	14064858
CIE Lab	71.65, 31.86, -23.06
CIE LCh	72, 39.329, 324.105
Yxy	43.1350, 0.3124, 0.2578
Android (android.graphics.Color)	4292254938 (0xFFD69CDA)
YUV	180.4100, 18.5319, 29.4584
Hunter-Lab	65.6772, 27.1279, -18.9461

# Details

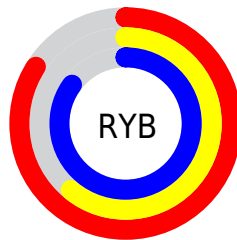
The Yxy color  $43.1350, 0.3124, 0.2578$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $60.0342, 0.3117, 0.4104$ , and the grayscale version is  $45.7669, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $75.0685, 0.3147, 0.2861$ , and  $19.8141, 0.3107, 0.2399$  is the 20% darker color. If you saturate the color by 10%, you get  $36.2509, 0.3119, 0.2330$ , and if you desaturate by 10%, it is  $51.3380, 0.3127, 0.2832$ .

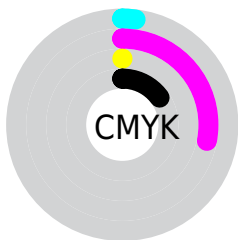
# Distribution



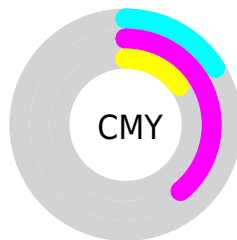
- Red (84%)
- Green (61%)
- Blue (85%)



- Red (84%)
- Yellow (61%)
- Blue (85%)



- Cyan (2%)
- Magenta (28%)
- Yellow (0%)
- Black (15%)




- Cyan (16%)
- Magenta (39%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1350, 0.3124, 0.2578 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 43.1350, 0.3124, 0.2578 by changing the saturation by 10% instead.





 43.1350, 0.3124,  
0.2578


 43.1350, 0.3124,  
0.2578


359.1667, 0.3134,  
0.2917

 29.9911, 0.3119,  
0.2498


 79.9145, 0.3129,  
0.2697

 19.8318, 0.3113,  
0.2399


 104.3189, 0.3131,  
0.2743

 12.2728, 0.3101,  
0.2272


133.2456, 0.3132,  
0.2783

 6.9298, 0.3083,  
0.2104

167.0789, 0.3132,  
0.2817

 3.4182, 0.3049,  
0.1873

206.2033, 0.3133,  
0.2847

 1.3538, 0.2981,  
0.1540

251.0031, 0.3133,

 0.1823, 0.2968,

0.2873

0.0566

301.8627, 0.3133,  
0.2896

0.0000, 0.0000,  
0.0000

43.1350, 0.3124,  
0.2578

43.1350, 0.3124,  
0.2578

36.2509, 0.3119,  
0.2330

51.3380, 0.3127,  
0.2832

30.6097, 0.3112,  
0.2098

60.9192, 0.3128,  
0.3084

26.1365, 0.3103,  
0.1892

71.9412, 0.3127,  
0.3327


22.7459, 0.3091,  
0.1721


84.4612, 0.3125,  
0.3558


20.3411, 0.3078,  
0.1590


91.9692, 0.3128,  
0.3676

 18.8077, 0.3063,  
0.1504

 92.1937, 0.3137,  
0.3675

 17.9755, 0.3047,  
0.1457

 92.4200, 0.3146,  
0.3674

 17.8704, 0.3044,  
0.1451

 92.6483, 0.3155,  
0.3673

 92.8785, 0.3164,  
0.3672

# Harmonies

## Analogous

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



43.1350, 0.2601, 0.2415



43.1350, 0.3124, 0.2578



43.1350, 0.3696, 0.2894

# Triad

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



43.1350, 0.3124, 0.2578



43.1350, 0.4047, 0.4125



43.1350, 0.2216, 0.3146

# Complementary

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



43.1350, 0.3124, 0.2578



60.0342, 0.3117, 0.4104

# 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.



43.1350, 0.2547, 0.3719



43.1350, 0.3124, 0.2578



43.1350, 0.3601, 0.4316

# Square

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



43.1350, 0.3124, 0.2578



43.1350, 0.4251, 0.3745



43.1350, 0.3050, 0.4180



43.1350, 0.2115, 0.2688



# Rectangle

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



43.1350, 0.3124, 0.2578



43.1350, 0.4010, 0.3162



43.1350, 0.3050, 0.4180



43.1350, 0.2302, 0.3333

# Sweetspot

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



43.1369, 0.3124, 0.2578



85.9383, 0.3128, 0.3068



37.3255, 0.2637, 0.2526



17.9421, 0.3128, 0.3031



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.



43.1369, 0.3124, 0.2578



55.5384, 0.3121, 0.2432



42.4587, 0.3403, 0.2876



13.2293, 0.3128, 0.3059



10.7224, 0.3047, 0.1452



0.7080, 0.3075, 0.1468



# Inverse Universe

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



41.2307, 0.3709, 0.3243



52.4306, 0.3880, 0.3233



60.6368, 0.2923, 0.3745



13.0652, 0.3281, 0.3275



8.9548, 0.6327, 0.3259

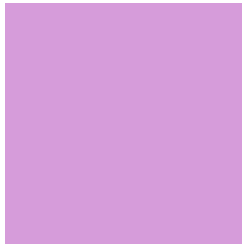


0.5851, 0.6113, 0.3141



# Previews

## White Background



This preview shows how the Yxy color 43.1350, 0.3124, 0.2578 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

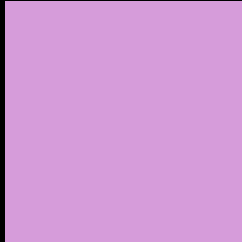
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.1350, 0.3124, 0.2578 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

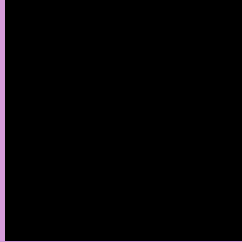
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.1350, 0.3124, 0.2578**

## Background



This preview shows how black text looks on a background with the Yxy color 43.1350, 0.3124, 0.2578.



This preview shows how white text looks on a background with the Yxy color 43.1350, 0.3124, 0.2578.

# 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

43.1350, 0.3124, 0.2578

### Protanopia

43.5152, 0.2603, 0.2571

### Deuteranopia

43.2956, 0.2803, 0.2743



## Tritanopia

43.1351, 0.3427, 0.3130

# Trichromacy



## Original Color

43.1350, 0.3124, 0.2578



## Protanomaly

42.8317, 0.2777, 0.2565



## Deuteranomaly

42.9217, 0.2914, 0.2675



## Tritanomaly

42.9971, 0.3313, 0.2916

# Monochromacy



## Original Color

43.1350, 0.3124, 0.2578



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

44.2273, 0.3123, 0.3000

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.1350, 0.3124, 0.2578 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(214, 156, 218)` looks like.

```
.text, #text, p{  
    color:rgb(214, 156, 218)  
}
```

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(214, 156, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 156, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 43.1350, 0.3124, 0.2578 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(214, 156, 218) }
```

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

```
.border{ border-color:rgb(214, 156, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 156, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 156, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 156, 218);  
box-shadow:4px 4px 4px 4px rgb(214, 156,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.1350, 0.3124, 0.2578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 156, 218) }
```

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

```
.background{ background-color: rgb(214,  
156, 218) }
```

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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