

# Converting Colors

$Y_{xy}(43.6528, 0.3281, 0.2685)$

Have a look what the booklet for  
Yxy(43.6528, 0.3281, 0.2685)  
contains.

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# Color

**Yxy(43.5264, 0.3285, 0.2686)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE9BD0
RGB	222, 155, 208
RGB Percent	87%, 61%, 82%
CMY	0.1294, 0.3921, 0.1842
CMYK	0.00, 0.30, 0.06, 0.13
HSL	313°, 50%, 74%
HSV	313°, 30%, 87%
XYZ	53.2331, 43.5264, 65.2896
YIQ	181.0750, 22.9190, 30.6870

# Conversions

## Conversions Part 2

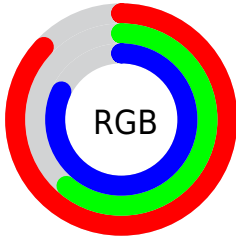
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 155, 208
Decimal	14588880
CIE Lab	71.91, 33.22, -17.08
CIE LCh	72, 37.355, 332.788
Yxy	43.5264, 0.3285, 0.2686
Android (android.graphics.Color)	4292778960 (0xFFDE9BD0)
YUV	181.0750, 13.2740, 35.8912
Hunter-Lab	65.9745, 28.5716, -12.4923

# Details

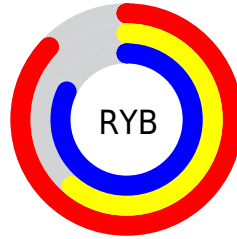
The Yxy color **43.5264, 0.3285, 0.2686** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **62.0741, 0.3002, 0.3981**, and the grayscale version is **46.1703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5732, 0.3148, 0.2851**, and **20.1406, 0.3317, 0.2530** is the 20% darker color. If you saturate the color by 10%, you get **36.5813, 0.3352, 0.2487**, and if you desaturate by 10%, it is **51.8403, 0.3225, 0.2890**.

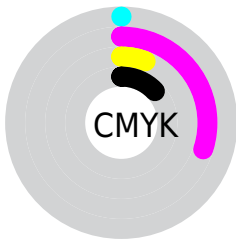
# Distribution



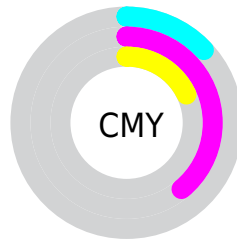
- Red (87%)
- Green (61%)
- Blue (82%)



- Red (87%)
- Yellow (61%)
- Blue (82%)



- Cyan (0%)
- Magenta (30%)
- Yellow (6%)
- Black (13%)




- Cyan (13%)
- Magenta (39%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.5264, 0.3285, 0.2686 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 43.5264, 0.3285, 0.2686 by changing the saturation by 10% instead.





 43.5264, 0.3285,  
0.2686


 43.5264, 0.3285,  
0.2686


360.7721, 0.3212,  
0.2976

 30.2984, 0.3301,  
0.2617


 80.5046, 0.3260,  
0.2789

 20.0652, 0.3322,  
0.2531

 105.0236, 0.3250,  
0.2828

 12.4424, 0.3347,  
0.2420


134.0750, 0.3242,  
0.2861

 7.0457, 0.3379,  
0.2272

168.0432, 0.3234,  
0.2890

 3.4907, 0.3421,  
0.2066

207.3126, 0.3228,  
0.2916

 1.3930, 0.3475,  
0.1759

252.2676, 0.3222,

 0.2115, 0.3740,

0.2938

0.0773

303.2927, 0.3217,  
0.2958

0.0000, 0.0000,  
0.0000

43.5264, 0.3285,  
0.2686

43.5264, 0.3285,  
0.2686

36.5813, 0.3352,  
0.2487

51.8403, 0.3225,  
0.2890

30.9247, 0.3426,  
0.2301

61.5861, 0.3173,  
0.3092

26.4767, 0.3505,  
0.2138


72.8300, 0.3128,  
0.3287

23.1462, 0.3587,  
0.2009

85.6323, 0.3089,  
0.3471

20.8291, 0.3670,  
0.1922


92.8287, 0.3059,  
0.3535


 19.4016, 0.3751,  
0.1882

 93.0940, 0.3034,  
0.3487

 18.6527, 0.3827,  
0.1882

 93.3662, 0.3008,  
0.3439

 93.6455, 0.2983,  
0.3391

 93.9318, 0.2957,  
0.3343

# Harmonies

## Analogous

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



43.5264, 0.2759, 0.2484



43.5264, 0.3285, 0.2686



43.5264, 0.3806, 0.3021

# Triad

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



43.5264, 0.3285, 0.2686



43.5264, 0.3898, 0.4161



43.5264, 0.2209, 0.3013

# Complementary

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



43.5264, 0.3285, 0.2686



62.0741, 0.3002, 0.3981

# 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.



43.5264, 0.2465, 0.3540



43.5264, 0.3285, 0.2686



43.5264, 0.3432, 0.4257

# Square

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



43.5264, 0.3285, 0.2686



43.5264, 0.4167, 0.3841



43.5264, 0.2908, 0.4028



43.5264, 0.2178, 0.2631



# Rectangle

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



43.5264, 0.3285, 0.2686



43.5264, 0.4059, 0.3290



43.5264, 0.2908, 0.4028



43.5264, 0.2270, 0.3179

# Sweetspot

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



43.5283, 0.3285, 0.2686



85.9170, 0.3168, 0.3114



37.0862, 0.2701, 0.2435



17.9369, 0.3175, 0.3085



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.



43.5283, 0.3285, 0.2686



53.5735, 0.3325, 0.2563



42.0719, 0.3599, 0.3054



13.8841, 0.3169, 0.3106



11.0962, 0.3816, 0.1876



0.7816, 0.3705, 0.1814



# Inverse Universe

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



43.5283, 0.3285, 0.2686



53.5735, 0.3325, 0.2563



63.4702, 0.2807, 0.3542



13.8841, 0.3169, 0.3106



11.0962, 0.3816, 0.1876



0.7816, 0.3705, 0.1814



# Previews

## White Background



This preview shows how the Yxy color 43.5264, 0.3285, 0.2686 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

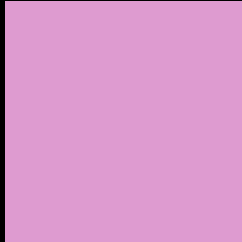
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.5264, 0.3285, 0.2686 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

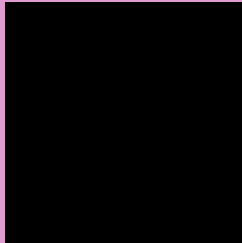
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.5264, 0.3285, 0.2686**

## Background



This preview shows how black text looks on a background with the Yxy color 43.5264, 0.3285, 0.2686.



This preview shows how white text looks on a background with the Yxy color 43.5264, 0.3285, 0.2686.

# 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

43.5264, 0.3285, 0.2686

### Protanopia

43.9332, 0.2698, 0.2691

### Deuteranopia

43.6161, 0.2933, 0.2869



## Tritanopia

43.4512, 0.3557, 0.3135

# Trichromacy



## Original Color

43.5264, 0.3285, 0.2686



## Protanomaly

43.4541, 0.2891, 0.2686



## Deuteranomaly

43.3308, 0.3053, 0.2798



## Tritanomaly

43.4015, 0.3456, 0.2972

# Monochromacy



## Original Color

43.5264, 0.3285, 0.2686



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

45.0024, 0.3183, 0.3053

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.5264, 0.3285, 0.2686 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(222, 155, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 155, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 43.5264, 0.3285, 0.2686 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, 208) }
```

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

```
.border{ border-color:rgb(222, 155, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 155, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 155, 208);  
box-shadow:4px 4px 4px 4px rgb(222, 155,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.5264, 0.3285, 0.2686 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, 208) }
```

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

```
.background{ background-color: rgb(222,  
155, 208) }
```

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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