

# Converting Colors

$Y_{xy}(46.1775, 0.3135, 0.2744)$

Have a look what the booklet for  
Yxy(46.1775, 0.3135, 0.2744)  
contains.

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# Color

**Yxy(45.9254, 0.3135, 0.2742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3A6D5
RGB	211, 166, 213
RGB Percent	83%, 65%, 84%
CMY	0.1726, 0.3490, 0.1647
CMYK	0.01, 0.22, 0.00, 0.16
HSL	297°, 36%, 74%
HSV	297°, 22%, 84%
XYZ	52.5077, 45.9254, 69.0556
YIQ	184.8130, 11.7330, 24.1570

# Conversions

## Conversions Part 2

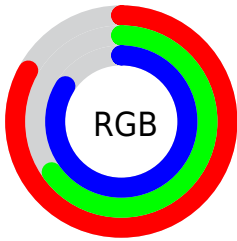
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 166, 213
Decimal	13870805
CIE <sub>Lab</sub>	73.50, 24.50, -17.53
CIE <sub>LCh</sub>	73, 30.127, 324.420
Yxy	45.9254, 0.3135, 0.2742
Android (android.graphics.Color)	4292060885 (0xFFD3A6D5)
YUV	184.8130, 13.8962, 22.9660
Hunter-Lab	67.7683, 19.7095, -12.9785

# Details

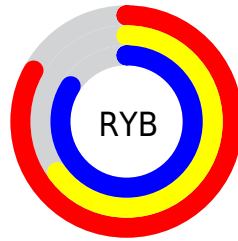
The Yxy color  $45.9254, 0.3135, 0.2742$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $58.6777, 0.3113, 0.3900$ , and the grayscale version is  $48.3236, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $80.1929, 0.3143, 0.2960$ , and  $21.5712, 0.3135, 0.2611$  is the 20% darker color. If you saturate the color by 10%, you get  $38.6777, 0.3137, 0.2492$ , and if you desaturate by 10%, it is  $54.4605, 0.3132, 0.2994$ .

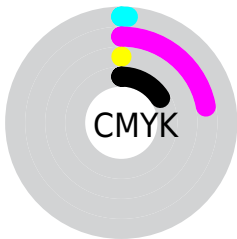
# Distribution



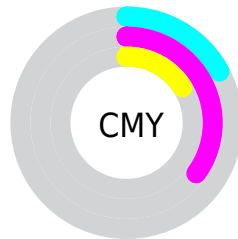
- Red (83%)
- Green (65%)
- Blue (84%)



- Red (83%)
- Yellow (65%)
- Blue (84%)



- Cyan (1%)
- Magenta (22%)
- Yellow (0%)
- Black (16%)




- Cyan (17%)
- Magenta (35%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9254, 0.3135, 0.2742 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 45.9254, 0.3135, 0.2742 by changing the saturation by 10% instead.




 45.9254, 0.3135,  
0.2742


 45.9254, 0.3135,  
0.2742

370.5087, 0.3136,  
0.3005

 32.1870, 0.3134,  
0.2680


 84.1073, 0.3136,  
0.2835

 21.5043, 0.3131,  
0.2602


 109.3196, 0.3136,  
0.2870

 13.4932, 0.3126,  
0.2502


139.1253, 0.3137,  
0.2901

 7.7690, 0.3118,  
0.2367

173.9088, 0.3136,  
0.2927

 3.9475, 0.3101,  
0.2180

214.0545, 0.3136,  
0.2950

 1.6442, 0.3066,  
0.1901


259.9468, 0.3136,

 0.3872, 0.3057,

0.2971

0.1217


311.9700, 0.3136,  
0.2989


 0.0000, 0.0000,  
0.0000


 45.9254, 0.3135,  
0.2742


 45.9254, 0.3135,  
0.2742


 38.6777, 0.3137,  
0.2492


 54.4605, 0.3132,  
0.2994


 32.6484, 0.3137,  
0.2252


 64.3357, 0.3128,  
0.3240


 27.7708, 0.3135,  
0.2032

 75.6081, 0.3123,  
0.3476

 23.9699, 0.3131,  
0.1842

 88.3299, 0.3118,  
0.3697

 21.1616, 0.3125,  
0.1689

 90.8601, 0.3122,  
0.3734

■ 19.2492, 0.3118,  
0.1579

■ 91.0002, 0.3128,  
0.3733

■ 18.1170, 0.3109,  
0.1511

■ 91.1412, 0.3134,  
0.3733

■ 17.6159, 0.3100,  
0.1482

■ 91.2829, 0.3139,  
0.3732

■ 91.4254, 0.3145,  
0.3731

# Harmonies

## Analogous

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



45.9254, 0.2734, 0.2615



45.9254, 0.3135, 0.2742



45.9254, 0.3560, 0.2992

# Triad

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



45.9254, 0.3135, 0.2742



45.9254, 0.3825, 0.3934



45.9254, 0.2429, 0.3189

# Complementary

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



45.9254, 0.3135, 0.2742



58.6777, 0.3113, 0.3900

# 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.



45.9254, 0.2688, 0.3605



45.9254, 0.3135, 0.2742



45.9254, 0.3492, 0.4054

# Square

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



45.9254, 0.3135, 0.2742



45.9254, 0.3972, 0.3657



45.9254, 0.3075, 0.3939



45.9254, 0.2348, 0.2840



# Rectangle

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



45.9254, 0.3135, 0.2742



45.9254, 0.3791, 0.3205



45.9254, 0.3075, 0.3939



45.9254, 0.2497, 0.3326

# Sweetspot

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



45.9274, 0.3135, 0.2742



88.9894, 0.3130, 0.3118



41.0515, 0.2759, 0.2709



18.8546, 0.3130, 0.3103



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.



45.9274, 0.3135, 0.2742



64.2073, 0.3136, 0.2636



45.2239, 0.3335, 0.2982



12.6041, 0.3131, 0.3060



10.7711, 0.3102, 0.1483



0.6583, 0.3122, 0.1493



# Inverse Universe

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



44.2529, 0.3554, 0.3266



61.3127, 0.3662, 0.3262



59.2978, 0.2962, 0.3620



12.4294, 0.3284, 0.3280



8.6573, 0.6351, 0.3272



0.5253, 0.6197, 0.3188



# Previews

## White Background



This preview shows how the Yxy color 45.9254, 0.3135, 0.2742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

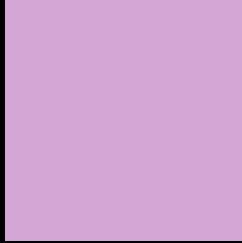
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.9254, 0.3135, 0.2742 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

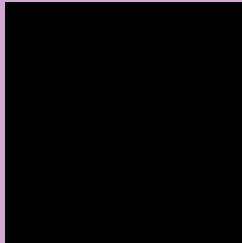
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.9254, 0.3135, 0.2742**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.9254, 0.3135, 0.2742.



This preview shows how white text looks on a background with the Yxy color 45.9254, 0.3135, 0.2742.

# 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

45.9254, 0.3135, 0.2742

### Protanopia

46.1721, 0.2746, 0.2751

### Deuteranopia

45.9442, 0.2922, 0.2853



## Tritanopia

45.8519, 0.3343, 0.3132

# Trichromacy



## Original Color

45.9254, 0.3135, 0.2742

## Protanomaly

45.8257, 0.2879, 0.2739

## Deuteranomaly

45.7278, 0.2996, 0.2803

## Tritanomaly

45.7260, 0.3259, 0.2977

# Monochromacy



## Original Color

45.9254, 0.3135, 0.2742

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

47.2503, 0.3129, 0.3078

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.9254, 0.3135, 0.2742 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(211, 166, 213)` looks like.

```
.text, #text, p{  
    color:rgb(211, 166, 213)  
}
```

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(211, 166, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 166, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 45.9254, 0.3135, 0.2742 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(211, 166, 213) }
```

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

```
.border{ border-color:rgb(211, 166, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 166, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 166, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 166, 213);  
box-shadow:4px 4px 4px 4px rgb(211, 166,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.9254, 0.3135, 0.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 166, 213) }
```

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

```
.background{ background-color: rgb(211,  
166, 213) }
```

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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