

# Converting Colors

Yxy(49.5926, 0.3091, 0.2609)

Have a look what the booklet for  
Yxy(49.5926, 0.3091, 0.2609)  
contains.

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# Color

**Yxy(49.6751, 0.3083, 0.2608)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DEA9E7
RGB	222, 169, 231
RGB Percent	87%, 66%, 91%
CMY	0.1296, 0.3371, 0.0942
CMYK	0.04, 0.27, 0.00, 0.09
HSL	291°, 56%, 78%
HSV	291°, 27%, 91%
XYZ	58.7225, 49.6751, 82.0744
YIQ	191.9150, 11.6860, 30.5180

# Conversions

## Conversions Part 2

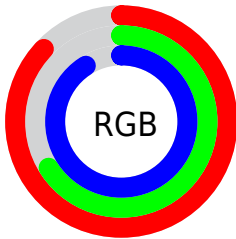
Format	Color
RYB	222, 169, 231
Decimal	14592487
CIELab	75.87, 29.86, -23.62
CIELCh	76, 38.076, 321.656
Yxy	49.6751, 0.3083, 0.2608
Android (android.graphics.Color)	4292782567 (0xFFDEA9E7)
YUV	191.9150, 19.2689, 26.3845
Hunter-Lab	70.4806, 25.3804, -19.7066

# Details

The Yxy color  $49.6751, 0.3083, 0.2608$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $69.4733, 0.3151, 0.4047$ , and the grayscale version is  $52.5402, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $82.3304, 0.3141, 0.2999$ , and  $23.6929, 0.3064, 0.2443$  is the 20% darker color. If you saturate the color by 10%, you get  $41.3017, 0.3059, 0.2349$ , and if you desaturate by 10%, it is  $59.5814, 0.3103, 0.2868$ .

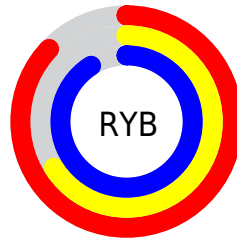
# Distribution



Red (87%)

Green (66%)

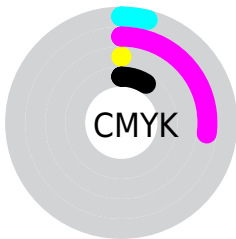
Blue (91%)



Red (87%)

Yellow (66%)

Blue (91%)

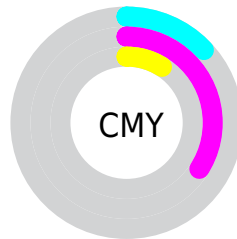


Cyan (4%)

Magenta (27%)

Yellow (0%)

Black (9%)



Cyan (13%)

Magenta (34%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6751, 0.3083, 0.2608 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 49.6751, 0.3083, 0.2608 by changing the saturation by 10% instead.




 49.6751, 0.3083,  
0.2608

 49.6751, 0.3083,  
0.2608

385.3940, 0.3112,  
0.2926

 35.1553, 0.3074,  
0.2535


 89.6933, 0.3095,  
0.2719

 23.7825, 0.3062,  
0.2445


115.9605, 0.3099,  
0.2762

 15.1724, 0.3046,  
0.2330


146.9123, 0.3102,  
0.2799

 8.9405, 0.3020,  
0.2181

182.9331, 0.3105,  
0.2831

 4.7024, 0.2979,  
0.1980

224.4073, 0.3107,  
0.2859

 2.0737, 0.2907,  
0.1695

271.7192, 0.3109,

 0.6498, 0.2773,

0.2884

0.1239

325.2533, 0.3110,  
0.2906

0.0000, 0.2015,  
0.0000

0.0000, 0.0000,  
0.0000

49.6751, 0.3083,  
0.2608

49.6751, 0.3083,  
0.2608

41.3017, 0.3059,  
0.2349

59.5814, 0.3103,  
0.2868

34.3748, 0.3031,  
0.2102

71.0883, 0.3118,  
0.3123

28.8094, 0.2999,  
0.1876

84.2671, 0.3131,  
0.3366

24.5088, 0.2964,  
0.1682

95.0194, 0.3143,  
0.3532

■ 21.3635, 0.2927,  
0.1528

■ 95.5985, 0.3164,  
0.3530

■ 19.2453, 0.2889,  
0.1419

■ 96.1884, 0.3186,  
0.3529

■ 17.9903, 0.2851,  
0.1353

■ 96.7893, 0.3207,  
0.3527

■ 17.6855, 0.2839,  
0.1337

■ 97.4013, 0.3228,  
0.3525

■ 98.0242, 0.3250,  
0.3524

# Harmonies

## Analogous

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



49.6751, 0.2606, 0.2470



49.6751, 0.3083, 0.2608



49.6751, 0.3613, 0.2894

# Triad

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



49.6751, 0.3083, 0.2608



49.6751, 0.4007, 0.4044



49.6751, 0.2298, 0.3202

# Complementary

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



49.6751, 0.3083, 0.2608



69.4733, 0.3151, 0.4047

# 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.



49.6751, 0.2625, 0.3727



49.6751, 0.3083, 0.2608



49.6751, 0.3609, 0.4232

# Square

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



49.6751, 0.3083, 0.2608



49.6751, 0.4169, 0.3686



49.6751, 0.3102, 0.4129



49.6751, 0.2184, 0.2764



# Rectangle

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



49.6751, 0.3083, 0.2608



49.6751, 0.3912, 0.3142



49.6751, 0.3102, 0.4129



49.6751, 0.2385, 0.3376

# Sweetspot

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



49.6772, 0.3083, 0.2608



87.1090, 0.3117, 0.3092



46.1746, 0.2673, 0.2639



18.1585, 0.3115, 0.3054



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.



49.6772, 0.3083, 0.2608



56.3370, 0.3071, 0.2469



49.9891, 0.3339, 0.2844



14.5033, 0.3115, 0.3057



9.9596, 0.2845, 0.1341



0.7651, 0.2901, 0.1372



# Inverse Universe

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



48.5873, 0.3621, 0.3189



54.8154, 0.3758, 0.3167



69.3241, 0.2963, 0.3783



14.4020, 0.3270, 0.3256



9.5988, 0.6199, 0.3188



0.7201, 0.5848, 0.2995



# Previews

## White Background



This preview shows how the Yxy color 49.6751, 0.3083, 0.2608 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

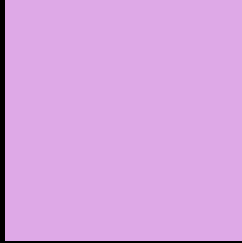
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.6751, 0.3083, 0.2608 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

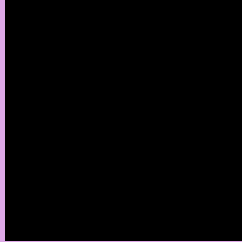
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.6751, 0.3083, 0.2608**

## Background



This preview shows how black text looks on a background with the Yxy color 49.6751, 0.3083, 0.2608.



This preview shows how white text looks on a background with the Yxy color 49.6751, 0.3083, 0.2608.

# 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

49.6751, 0.3083, 0.2608

### Protanopia

49.8794, 0.2635, 0.2608

### Deuteranopia

49.7827, 0.2814, 0.2750



## Tritanopia

49.7609, 0.3363, 0.3137

# Trichromacy



## Original Color

49.6751, 0.3083, 0.2608



## Protanomaly

49.3604, 0.2781, 0.2601



## Deuteranomaly

49.5037, 0.2904, 0.2694



## Tritanomaly

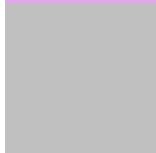
49.5853, 0.3257, 0.2933

# Monochromacy



## Original Color

49.6751, 0.3083, 0.2608



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

51.4337, 0.3115, 0.3028

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.6751, 0.3083, 0.2608 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, 169, 231)` looks like.

```
.text, #text, p{  
    color:rgb(222, 169, 231)  
}
```

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, 169, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 169, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 49.6751, 0.3083, 0.2608 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, 169, 231) }
```

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

```
.border{ border-color:rgb(222, 169, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 169, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 169, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 169, 231);  
box-shadow:4px 4px 4px 4px rgb(222, 169,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.6751, 0.3083, 0.2608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 169, 231) }
```

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

```
.background{ background-color: rgb(222,  
169, 231) }
```

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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