

# Converting Colors

$Y_{xy}(49.4592, 0.2900, 0.2523)$

Have a look what the booklet for  
Yxy(49.4592, 0.2900, 0.2523)  
contains.

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# Color

**Yxy(49.4112, 0.2903, 0.2520)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D1ACF1
RGB	209, 172, 241
RGB Percent	82%, 67%, 95%
CMY	0.1804, 0.3255, 0.0550
CMYK	0.13, 0.29, 0.00, 0.05
HSL	272°, 71%, 81%
HSV	272°, 29%, 95%
XYZ	56.9209, 49.4112, 89.7441
YIQ	190.9290, -0.0970, 29.3030

# Conversions

## Conversions Part 2

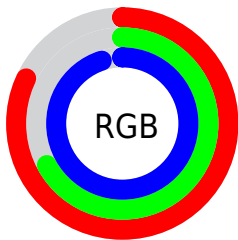
Format	Color
R <sub>Y</sub> B	209, 172, 241
Decimal	13741297
CIE Lab	75.71, 26.17, -29.40
CIE LCh	76, 39.360, 311.664
Yxy	49.4112, 0.2903, 0.2520
Android (android.graphics.Color)	4291931377 (0xFFD1ACF1)
YUV	190.9290, 24.6850, 15.8483
Hunter-Lab	70.2931, 21.5302, -26.4911

# Details

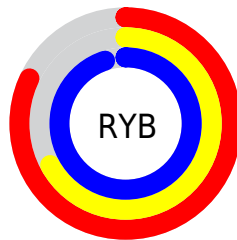
The Yxy color **49.4112, 0.2903, 0.2520** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **78.7181, 0.3299, 0.4071**, and the grayscale version is **51.9123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9668, 0.3139, 0.3029**, and **23.5665, 0.2834, 0.2329** is the 20% darker color. If you saturate the color by 10%, you get **39.4830, 0.2801, 0.2226**, and if you desaturate by 10%, it is **61.1210, 0.2993, 0.2805**.

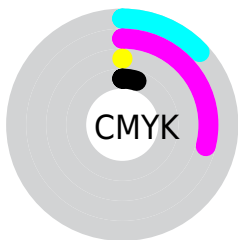
# Distribution



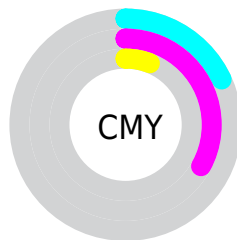
- Red (82%)
- Green (67%)
- Blue (95%)



- Red (82%)
- Yellow (67%)
- Blue (95%)



- Cyan (13%)
- Magenta (29%)
- Yellow (0%)
- Black (5%)




- Cyan (18%)
- Magenta (33%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4112, 0.2903, 0.2520 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 49.4112, 0.2903, 0.2520 by changing the saturation by 10% instead.





 49.4112, 0.2903,  
0.2520

 49.4112, 0.2903,  
0.2520

384.3589, 0.3019,  
0.2878

 34.9458, 0.2873,  
0.2438

 89.3019, 0.2946,  
0.2644

 23.6211, 0.2835,  
0.2338


115.4959, 0.2962,  
0.2693

 15.0528, 0.2784,  
0.2211


146.3683, 0.2975,  
0.2734

 8.8565, 0.2714,  
0.2046

182.3034, 0.2987,  
0.2771

 4.6477, 0.2610,  
0.1827

223.6856, 0.2997,  
0.2803

 2.0421, 0.2448,  
0.1523

270.8993, 0.3005,

 0.6317, 0.2175,

0.2831

0.1053

324.3289, 0.3013,  
0.2856

0.0000, 0.1012,  
0.0000

0.0000, 0.0000,  
0.0000

49.4112, 0.2903,  
0.2520

49.4112, 0.2903,  
0.2520

39.4830, 0.2801,  
0.2226

61.1210, 0.2993,  
0.2805

31.2381, 0.2689,  
0.1932

74.6918, 0.3070,  
0.3074

24.5775, 0.2568,  
0.1653

90.2053, 0.3136,  
0.3323

19.3894, 0.2443,  
0.1401

98.8845, 0.3200,  
0.3425

■ 15.5464, 0.2319,  
0.1192

■ 99.1300, 0.3209,  
0.3425

■ 12.8984, 0.2201,  
0.1035

■ 11.2282, 0.2094,  
0.0932

■ 11.0344, 0.2080,  
0.0919

# Harmonies

## Analogous

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



49.4112, 0.2459, 0.2437



49.4112, 0.2903, 0.2520



49.4112, 0.3451, 0.2769

# Triad

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



49.4112, 0.2903, 0.2520



49.4112, 0.4125, 0.3956



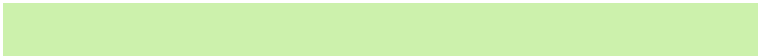
49.4112, 0.2360, 0.3378

# Complementary

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



49.4112, 0.2903, 0.2520



78.7181, 0.3299, 0.4071

# 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.



49.4112, 0.2758, 0.3909



49.4112, 0.2903, 0.2520



49.4112, 0.3781, 0.4228

# Square

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



49.4112, 0.2903, 0.2520



49.4112, 0.4193, 0.3557



49.4112, 0.3278, 0.4235



49.4112, 0.2167, 0.2876



# Rectangle

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



49.4112, 0.2903, 0.2520



49.4112, 0.3795, 0.3004



49.4112, 0.3278, 0.4235



49.4112, 0.2473, 0.3563

# Sweetspot

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



49.4133, 0.2903, 0.2520



84.2583, 0.3067, 0.3064



58.4017, 0.2666, 0.2855



17.5265, 0.3056, 0.3025



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.



49.4133, 0.2903, 0.2520



49.7515, 0.2849, 0.2359



54.4202, 0.3179, 0.2599



15.6461, 0.3064, 0.3052



6.0657, 0.2096, 0.0928



0.5638, 0.2234, 0.1004



# Inverse Universe

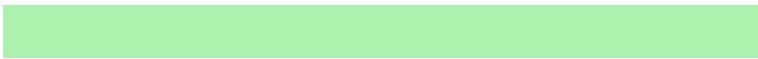
The Inverse Universe completely reimagines the original color for something new.



52.5664, 0.3469, 0.2945



53.9554, 0.3558, 0.2876



74.7417, 0.3075, 0.4094



15.8808, 0.3220, 0.3181



10.7993, 0.5112, 0.2590



0.9183, 0.4797, 0.2416



# Previews

## White Background



This preview shows how the Yxy color 49.4112, 0.2903, 0.2520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

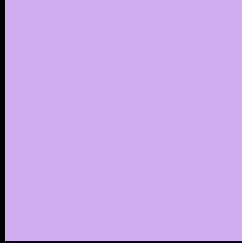
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.4112, 0.2903, 0.2520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

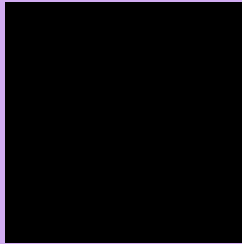
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.4112, 0.2903, 0.2520**

## Background



This preview shows how black text looks on a background with the Yxy color 49.4112, 0.2903, 0.2520.



This preview shows how white text looks on a background with the Yxy color 49.4112, 0.2903, 0.2520.

# 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

49.4112, 0.2903, 0.2520

### Protanopia

49.5079, 0.2561, 0.2508

### Deuteranopia

49.4461, 0.2685, 0.2621



## Tritanopia

49.5444, 0.3195, 0.3120

# Trichromacy



**Original Color**

49.4112, 0.2903, 0.2520

**Protanomaly**

49.4252, 0.2674, 0.2511

**Deuteranomaly**

49.3503, 0.2761, 0.2579

**Tritanomaly**

49.5734, 0.3087, 0.2889

# Monochromacy



**Original Color**

49.4112, 0.2903, 0.2520

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

50.8902, 0.3051, 0.2989

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.4112, 0.2903, 0.2520 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(209, 172, 241)` looks like.

```
.text, #text, p{  
    color:rgb(209, 172, 241)  
}
```

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(209, 172, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 172, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 49.4112, 0.2903, 0.2520 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(209, 172, 241) }
```

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

```
.border{ border-color:rgb(209, 172, 241) }
```

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

Here you see how a box with a 4 pixel rgb(209, 172, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 172, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 172, 241);  
box-shadow:4px 4px 4px 4px rgb(209, 172,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.4112, 0.2903, 0.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 172, 241) }
```

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

```
.background{ background-color: rgb(209,  
172, 241) }
```

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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