

Converting Colors

$Y_{xy}(49.6368, 0.2955, 0.2610)$

Have a look what the booklet for
Yxy(49.6368, 0.2955, 0.2610)
contains.

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Color

Yxy(49.7679, 0.2954, 0.2612)

Conversions

Conversions Part 1

Format	Color
Hex	D1AEEA
RGB	209, 174, 234
RGB Percent	82%, 68%, 92%
CMY	0.1803, 0.3176, 0.0823
CMYK	0.11, 0.26, 0.00, 0.08
HSL	275°, 59%, 80%
HSV	275°, 26%, 92%
XYZ	56.2842, 49.7679, 84.4835
YIQ	191.3050, 1.6000, 26.0800

Conversions

Conversions Part 2

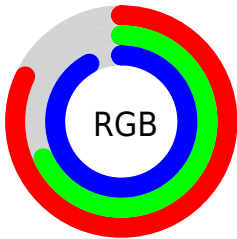
Format	Color
R _{YB}	209, 174, 234
Decimal	13741802
CIE Lab	75.93, 23.64, -25.29
CIE LCh	76, 34.616, 313.071
Yxy	49.7679, 0.2954, 0.2612
Android (android.graphics.Color)	4291931882 (0xFFD1AEEA)
YUV	191.3050, 21.0486, 15.5185
Hunter-Lab	70.5464, 18.9570, -21.6209

Details

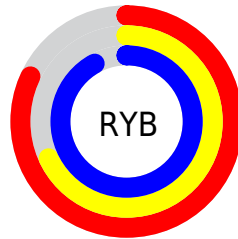
The Yxy color **49.7679, 0.2954, 0.2612** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **74.0447, 0.3262, 0.3985**, and the grayscale version is **52.1631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0736, 0.3138, 0.3048**, and **23.7591, 0.2902, 0.2445** is the 20% darker color. If you saturate the color by 10%, you get **40.1239, 0.2867, 0.2325**, and if you desaturate by 10%, it is **61.0780, 0.3030, 0.2889**.

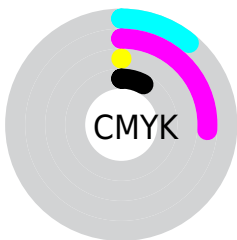
Distribution



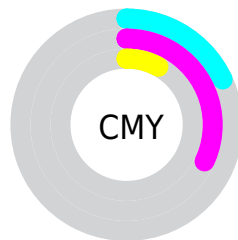
- Red (82%)
- Green (68%)
- Blue (92%)



- Red (82%)
- Yellow (68%)
- Blue (92%)



- Cyan (11%)
- Magenta (26%)
- Yellow (0%)
- Black (8%)





- Cyan (18%)
- Magenta (32%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7679, 0.2954, 0.2612 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 49.7679, 0.2954, 0.2612 by changing the saturation by 10% instead.


 49.7679, 0.2954,
0.2612

 49.7679, 0.2954,
0.2612


385.7576, 0.3044,
0.2930

 35.2290, 0.2931,
0.2539


 89.8309, 0.2987,
0.2723

 23.8393, 0.2901,
0.2448


116.1238, 0.3000,
0.2766

 15.2145, 0.2860,
0.2333


147.1035, 0.3010,
0.2803

 8.9701, 0.2804,
0.2183

183.1543, 0.3019,
0.2835

 4.7217, 0.2720,
0.1979

224.6608, 0.3027,
0.2863

 2.0849, 0.2586,
0.1691

272.0072, 0.3033,

 0.6561, 0.2354,

0.2888

0.1231

325.5780, 0.3039,
0.2910

0.0000, 0.1017,
0.0000

0.0000, 0.0000,
0.0000

49.7679, 0.2954,
0.2612

49.7679, 0.2954,
0.2612

40.1239, 0.2867,
0.2325

61.0780, 0.3030,
0.2889

32.0564, 0.2769,
0.2037

74.1252, 0.3095,
0.3151

25.4771, 0.2663,
0.1760

88.9839, 0.3150,
0.3393

20.2857, 0.2551,
0.1507

97.4167, 0.3205,
0.3496

■ 16.3694, 0.2438,
0.1293

■ 98.7207, 0.3250,
0.3493

■ 13.5968, 0.2328,
0.1127

■ 11.8062, 0.2225,
0.1014

■ 11.2203, 0.2182,
0.0976

Harmonies

Analogous

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



49.7679, 0.2552, 0.2532



49.7679, 0.2954, 0.2612



49.7679, 0.3436, 0.2841

Triad

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



49.7679, 0.2954, 0.2612



49.7679, 0.3997, 0.3900



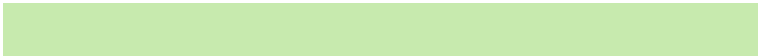
49.7679, 0.2438, 0.3349

Complementary

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



49.7679, 0.2954, 0.2612



74.0447, 0.3262, 0.3985

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.



49.7679, 0.2786, 0.3809



49.7679, 0.2954, 0.2612



49.7679, 0.3689, 0.4121

Square

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



49.7679, 0.2954, 0.2612



49.7679, 0.4065, 0.3552



49.7679, 0.3243, 0.4104



49.7679, 0.2272, 0.2914

Rectangle

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



49.7679, 0.2954, 0.2612



49.7679, 0.3733, 0.3056



49.7679, 0.3243, 0.4104



49.7679, 0.2536, 0.3508

Sweetspot

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



49.7700, 0.2954, 0.2612



86.0918, 0.3080, 0.3090



55.7870, 0.2713, 0.2870



17.9013, 0.3071, 0.3051



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.



49.7700, 0.2954, 0.2612



53.7926, 0.2907, 0.2455



53.4226, 0.3197, 0.2702



14.9831, 0.3071, 0.3053



6.3805, 0.2197, 0.0984



0.5573, 0.2333, 0.1059

Inverse Universe

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



51.8884, 0.3449, 0.3014



56.8883, 0.3541, 0.2951



71.1011, 0.3063, 0.3959



15.1581, 0.3228, 0.3192



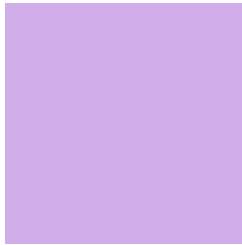
10.3434, 0.5307, 0.2697



0.8310, 0.4949, 0.2500

Previews

White Background



This preview shows how the Yxy color 49.7679, 0.2954, 0.2612 looks on a white background.

Color Contrast Check

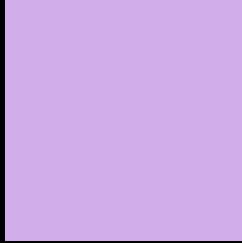
Large Text (above 18pt) WCAG AA × Fail

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 49.7679, 0.2954, 0.2612 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 49.7679, 0.2954, 0.2612

Background



This preview shows how black text looks on a background with the Yxy color 49.7679, 0.2954, 0.2612.



This preview shows how white text looks on a background with the Yxy color 49.7679, 0.2954, 0.2612.

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

49.7679, 0.2954, 0.2612

Protanopia

49.8794, 0.2635, 0.2608

Deuteranopia

49.7604, 0.2773, 0.2704



Tritanopia

49.6844, 0.3203, 0.3121

Trichromacy



Original Color

49.7679, 0.2954, 0.2612

Protanomaly

49.5940, 0.2740, 0.2608

Deuteranomaly

49.7322, 0.2831, 0.2668

Tritanomaly

49.4234, 0.3111, 0.2922

Monochromacy



Original Color

49.7679, 0.2954, 0.2612

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.2087, 0.3066, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7679, 0.2954, 0.2612 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, 174, 234)` looks like.

```
.text, #text, p{  
    color:rgb(209, 174, 234)  
}
```

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, 174, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 174, 234) }
```

Border

The CSS property to change the border of an element to Yxy 49.7679, 0.2954, 0.2612 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, 174, 234) }
```

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

```
.border{ border-color:rgb(209, 174, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 174, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 174, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 174, 234);  
box-shadow:4px 4px 4px 4px rgb(209, 174,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7679, 0.2954, 0.2612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 174, 234) }
```

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

```
.background{ background-color: rgb(209,  
174, 234) }
```

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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