

Converting Colors

$Y_{xy}(49.9961, 0.2986, 0.2585)$

Have a look what the booklet for
Yxy(49.9961, 0.2986, 0.2585)
contains.

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Color

Yxy(49.8573, 0.2979, 0.2578)

Conversions

Conversions Part 1

Format	Color
Hex	D6ACEC
RGB	214, 172, 236
RGB Percent	84%, 67%, 93%
CMY	0.1609, 0.3254, 0.0746
CMYK	0.09, 0.27, 0.00, 0.07
HSL	279°, 63%, 80%
HSV	279°, 27%, 93%
XYZ	57.6125, 49.8573, 85.9255
YIQ	191.8540, 4.4880, 28.8080

Conversions

Conversions Part 2

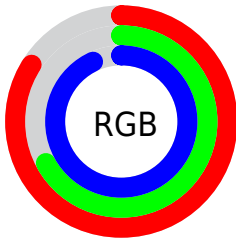
Format	Color
RYB	214, 172, 236
Decimal	14068972
CIELab	75.98, 26.68, -26.23
CIELCh	76, 37.415, 315.485
Yxy	49.8573, 0.2979, 0.2578
Android (android.graphics.Color)	4292259052 (0xFFD6ACEC)
YUV	191.8540, 21.7640, 19.4220
Hunter-Lab	70.6097, 22.0762, -22.7237

Details

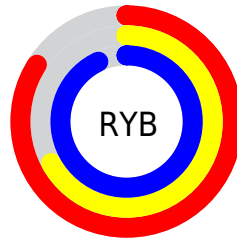
The Yxy color $49.8573, 0.2979, 0.2578$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $74.4321, 0.3237, 0.4037$, and the grayscale version is $52.4908, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.9668, 0.3139, 0.3029$, and $23.8599, 0.2936, 0.2404$ is the 20% darker color. If you saturate the color by 10%, you get $40.4672, 0.2907, 0.2298$, and if you desaturate by 10%, it is $60.9075, 0.3041, 0.2853$.

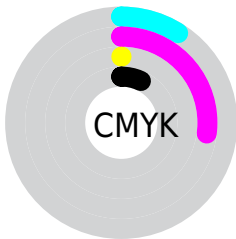
Distribution



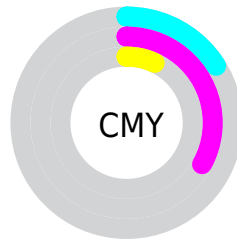
- Red (84%)
- Green (67%)
- Blue (93%)



- Red (84%)
- Yellow (67%)
- Blue (93%)



- Cyan (9%)
- Magenta (27%)
- Yellow (0%)
- Black (7%)




- Cyan (16%)
- Magenta (33%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8573, 0.2979, 0.2578 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 49.8573, 0.2979, 0.2578 by changing the saturation by 10% instead.


 49.8573, 0.2979,
0.2578

 49.8573, 0.2979,
0.2578


386.1076, 0.3058,
0.2910

 35.3000, 0.2958,
0.2502


 89.9634, 0.3009,
0.2694

 23.8941, 0.2931,
0.2408


116.2810, 0.3019,
0.2738

 15.2551, 0.2895,
0.2289


147.2876, 0.3028,
0.2777

 8.9986, 0.2844,
0.2135

183.3674, 0.3036,
0.2811

 4.7403, 0.2767,
0.1927

224.9049, 0.3043,
0.2840

 2.0957, 0.2643,
0.1635

272.2845, 0.3049,

 0.6622, 0.2425,

0.2866

0.1180

325.8907, 0.3054,
0.2889

0.0000, 0.1400,
0.0000

0.0000, 0.0000,
0.0000

49.8573, 0.2979,
0.2578

49.8573, 0.2979,
0.2578

40.4672, 0.2907,
0.2298

60.9075, 0.3041,
0.2853

32.6455, 0.2827,
0.2021

73.6903, 0.3095,
0.3114

26.3013, 0.2739,
0.1759

88.2818, 0.3139,
0.3359

21.3315, 0.2646,
0.1525

97.2503, 0.3184,
0.3477

■ 17.6194, 0.2551,
0.1331

■ 98.7553, 0.3236,
0.3474

■ 15.0281, 0.2459,
0.1185

■ 98.8348, 0.3238,
0.3474

■ 13.3805, 0.2370,
0.1089

■ 12.9972, 0.2346,
0.1066

Harmonies

Analogous

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



49.8573, 0.2537, 0.2477



49.8573, 0.2979, 0.2578



49.8573, 0.3501, 0.2834

Triad

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



49.8573, 0.2979, 0.2578



49.8573, 0.4046, 0.3969



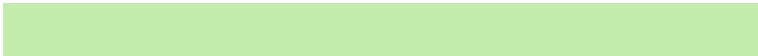
49.8573, 0.2363, 0.3309

Complementary

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



49.8573, 0.2979, 0.2578



74.4321, 0.3237, 0.4037

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.



49.8573, 0.2722, 0.3817



49.8573, 0.2979, 0.2578



49.8573, 0.3695, 0.4197

Square

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



49.8573, 0.2979, 0.2578



49.8573, 0.4146, 0.3599



49.8573, 0.3208, 0.4159



49.8573, 0.2205, 0.2849

Rectangle

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



49.8573, 0.2979, 0.2578



49.8573, 0.3816, 0.3066



49.8573, 0.3208, 0.4159



49.8573, 0.2462, 0.3483

Sweetspot

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



49.8594, 0.2979, 0.2578



86.3601, 0.3090, 0.3091



53.5938, 0.2683, 0.2790



17.9690, 0.3082, 0.3052



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.



49.8594, 0.2979, 0.2578



52.4626, 0.2937, 0.2409



52.8556, 0.3236, 0.2709



15.0392, 0.3083, 0.3054



7.2403, 0.2359, 0.1073



0.6215, 0.2478, 0.1139

Inverse Universe

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



51.2404, 0.3513, 0.3047



54.4909, 0.3632, 0.2990



72.1128, 0.3035, 0.3950



15.1397, 0.3239, 0.3209



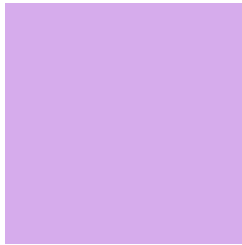
10.1813, 0.5596, 0.2856



0.8170, 0.5209, 0.2643

Previews

White Background



This preview shows how the Yxy color 49.8573, 0.2979, 0.2578 looks on a white background.

Color Contrast Check

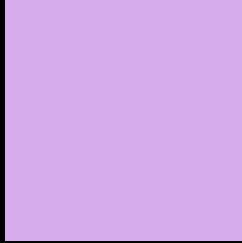
Large Text (above 18pt) WCAG AA × Fail

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 49.8573, 0.2979, 0.2578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

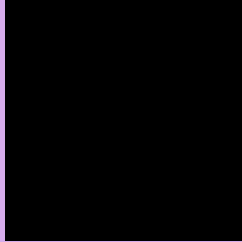
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8573, 0.2979, 0.2578

Background



This preview shows how black text looks on a background with the Yxy color 49.8573, 0.2979, 0.2578.



This preview shows how white text looks on a background with the Yxy color 49.8573, 0.2979, 0.2578.

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

49.8573, 0.2979, 0.2578

Protanopia

50.0097, 0.2605, 0.2565

Deuteranopia

50.1666, 0.2753, 0.2693



Tritanopia

49.9475, 0.3255, 0.3123

Trichromacy



Original Color

49.8573, 0.2979, 0.2578

Protanomaly

49.6181, 0.2734, 0.2567

Deuteranomaly

50.1100, 0.2832, 0.2650

Tritanomaly

49.7494, 0.3153, 0.2915

Monochromacy



Original Color

49.8573, 0.2979, 0.2578

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.5314, 0.3074, 0.3015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8573, 0.2979, 0.2578 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(214, 172, 236)` looks like.

```
.text, #text, p{  
    color:rgb(214, 172, 236)  
}
```

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(214, 172, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 172, 236) }
```

Border

The CSS property to change the border of an element to Yxy 49.8573, 0.2979, 0.2578 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(214, 172, 236) }
```

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

```
.border{ border-color:rgb(214, 172, 236) }
```

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

Here you see how a box with a 4 pixel rgb(214, 172, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 172, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 172, 236);  
box-shadow:4px 4px 4px 4px rgb(214, 172,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8573, 0.2979, 0.2578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 172, 236) }
```

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

```
.background{ background-color: rgb(214,  
172, 236) }
```

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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