

Converting Colors

$Y_{xy}(49.7248, 0.3073, 0.2473)$

Have a look what the booklet for
Yxy(49.7248, 0.3073, 0.2473)
contains.

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Color

Yxy(49.7248, 0.3073, 0.2473)

Conversions

Conversions Part 1

Format	Color
Hex	E6A4F1
RGB	230, 164, 241
RGB Percent	90%, 64%, 95%
CMY	0.0980, 0.3569, 0.0549
CMYK	0.05, 0.32, 0.00, 0.05
HSL	291°, 73%, 79%
HSV	291°, 32%, 95%
XYZ	61.7890, 49.7248, 89.5569
YIQ	192.5120, 14.6190, 37.9390

Conversions

Conversions Part 2

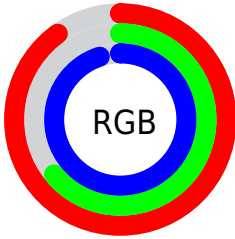
Format	Color
R _Y B	230, 164, 241
Decimal	15115505
CIE Lab	75.90, 37.02, -28.94
CIE LCh	76, 46.988, 321.983
Yxy	49.7248, 0.3073, 0.2473
Android (android.graphics.Color)	4293305585 (0xFFE6A4F1)
YUV	192.5120, 23.9046, 32.8770
Hunter-Lab	70.5158, 33.0068, -25.9388

Details

The Yxy color **49.7248, 0.3073, 0.2473** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **74.7002, 0.3152, 0.4217**, and the grayscale version is **52.8799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6664, 0.3143, 0.2950**, and **23.7559, 0.3038, 0.2279** is the 20% darker color. If you saturate the color by 10%, you get **41.3402, 0.3048, 0.2219**, and if you desaturate by 10%, it is **59.7592, 0.3094, 0.2734**.

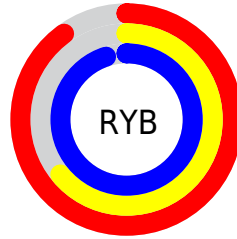
Distribution



Red (90%)

Green (64%)

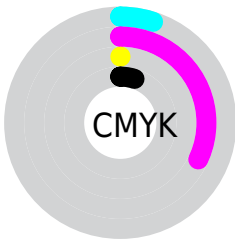
Blue (95%)



Red (90%)

Yellow (64%)

Blue (95%)

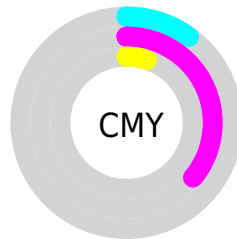


Cyan (5%)

Magenta (32%)

Yellow (0%)

Black (5%)



Cyan (10%)


Magenta (36%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7248, 0.3073, 0.2473 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 49.7248, 0.3073, 0.2473 by changing the saturation by 10% instead.


 49.7248, 0.3073,
0.2473


 49.7248, 0.3073,
0.2473


385.5888, 0.3109,
0.2849

 35.1948, 0.3062,
0.2388


 89.7670, 0.3088,
0.2602

 23.8130, 0.3047,
0.2285


 116.0480, 0.3093,
0.2653

 15.1949, 0.3025,
0.2155


147.0147, 0.3097,
0.2697

 8.9563, 0.2992,
0.1989

183.0516, 0.3101,
0.2735

 4.7127, 0.2941,
0.1768

224.5431, 0.3103,
0.2768

 2.0797, 0.2852,
0.1468

271.8735, 0.3106,

 0.6532, 0.2689,

0.2798

0.1018

325.4273, 0.3108,
0.2825

0.0000, 0.2229,
0.0000

0.0000, 0.0000,
0.0000

49.7248, 0.3073,
0.2473

49.7248, 0.3073,
0.2473

41.3402, 0.3048,
0.2219

59.7592, 0.3094,
0.2734

34.5062, 0.3018,
0.1981

71.5222, 0.3111,
0.2993

29.1232, 0.2986,
0.1771

85.0955, 0.3125,
0.3243

25.0771, 0.2950,
0.1597

97.0614, 0.3138,
0.3427

■ 22.2367, 0.2913,
0.1467

■ 97.6811, 0.3159,
0.3427

■ 20.4438, 0.2875,
0.1382

■ 98.3123, 0.3181,
0.3426

■ 19.5633, 0.2845,
0.1341

■ 98.9551, 0.3203,
0.3425

■ 99.1307, 0.3209,
0.3425

Harmonies

Analogous

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



49.7248, 0.2495, 0.2304



49.7248, 0.3073, 0.2473



49.7248, 0.3730, 0.2812

Triad

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



49.7248, 0.3073, 0.2473



49.7248, 0.4191, 0.4198



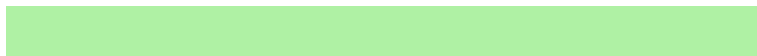
49.7248, 0.2118, 0.3161

Complementary

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



49.7248, 0.3073, 0.2473



74.7002, 0.3152, 0.4217

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.



49.7248, 0.2501, 0.3828



49.7248, 0.3073, 0.2473



49.7248, 0.3696, 0.4456

Square

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



49.7248, 0.3073, 0.2473



49.7248, 0.4408, 0.3753



49.7248, 0.3075, 0.4343



49.7248, 0.1991, 0.2631

Rectangle

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



49.7248, 0.3073, 0.2473



49.7248, 0.4102, 0.3105



49.7248, 0.3075, 0.4343



49.7248, 0.2219, 0.3379

Sweetspot

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



49.7269, 0.3073, 0.2473



84.1126, 0.3114, 0.3042



45.1168, 0.2573, 0.2490



17.5619, 0.3112, 0.3006



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.



49.7269, 0.3073, 0.2473



50.4409, 0.3058, 0.2315



50.1080, 0.3392, 0.2755



15.9105, 0.3115, 0.3056



10.6545, 0.2852, 0.1345



0.9173, 0.2901, 0.1372

Inverse Universe

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



48.3448, 0.3757, 0.3170



48.7232, 0.3935, 0.3147



74.5602, 0.2934, 0.3895



15.7956, 0.3271, 0.3257



10.2164, 0.6208, 0.3194



0.8612, 0.5898, 0.3023

Previews

White Background



This preview shows how the Yxy color 49.7248, 0.3073, 0.2473 looks on a white background.

Color Contrast Check

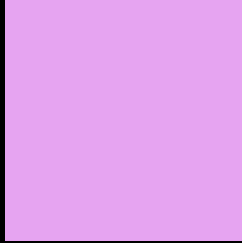
Large Text (above 18pt) WCAG AA × Fail

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 49.7248, 0.3073, 0.2473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

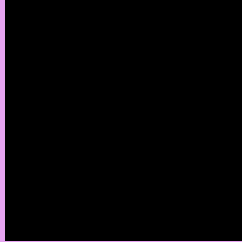
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7248, 0.3073, 0.2473

Background



This preview shows how black text looks on a background with the Yxy color 49.7248, 0.3073, 0.2473.



This preview shows how white text looks on a background with the Yxy color 49.7248, 0.3073, 0.2473.

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

49.7248, 0.3073, 0.2473

Protanopia

50.1334, 0.2528, 0.2469

Deuteranopia

50.0987, 0.2720, 0.2659



Tritanopia

49.5909, 0.3448, 0.3129

Trichromacy



Original Color

49.7248, 0.3073, 0.2473



Protanomaly

49.2936, 0.2702, 0.2457



Deuteranomaly

49.6231, 0.2841, 0.2589



Tritanomaly

49.4232, 0.3314, 0.2874

Monochromacy



Original Color

49.7248, 0.3073, 0.2473



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

51.2309, 0.3109, 0.2960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7248, 0.3073, 0.2473 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(230, 164, 241)` looks like.

```
.text, #text, p{  
    color:rgb(230, 164, 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(230, 164, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 164, 241) }
```

Border

The CSS property to change the border of an element to Yxy 49.7248, 0.3073, 0.2473 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(230, 164, 241) }
```

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

```
.border{ border-color:rgb(230, 164, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 164, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 164, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 164, 241);  
box-shadow:4px 4px 4px 4px rgb(230, 164,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7248, 0.3073, 0.2473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 164, 241) }
```

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

```
.background{ background-color: rgb(230,  
164, 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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