

Converting Colors

$Y_{xy}(49.1272, 0.3129, 0.2470)$

Have a look what the booklet for
Yxy(49.1272, 0.3129, 0.2470)
contains.

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Color

Yxy(49.2142, 0.3123, 0.2469)

Conversions

Conversions Part 1

Format	Color
Hex	EAA1EF
RGB	234, 161, 239
RGB Percent	92%, 63%, 94%
CMY	0.0824, 0.3686, 0.0628
CMYK	0.02, 0.33, 0.00, 0.06
HSL	296°, 71%, 78%
HSV	296°, 33%, 94%
XYZ	62.2503, 49.2142, 87.8640
YIQ	191.7190, 18.4700, 39.7340

Conversions

Conversions Part 2

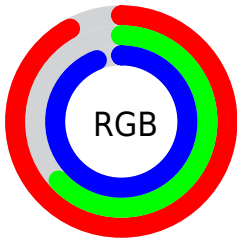
Format	Color
RYB	234, 161, 239
Decimal	15376879
CIELab	75.58, 39.45, -28.30
CIELCh	76, 48.552, 324.352
Yxy	49.2142, 0.3123, 0.2469
Android (android.graphics.Color)	4293566959 (0xFFEAA1EF)
YUV	191.7190, 23.3095, 37.0804
Hunter-Lab	70.1528, 35.6249, -25.1517

Details

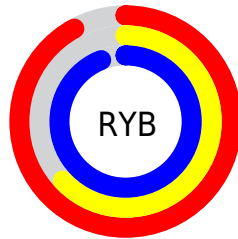
The Yxy color **49.2142, 0.3123, 0.2469** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **72.4037, 0.3113, 0.4251**, and the grayscale version is **52.3948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1057, 0.3145, 0.2920**, and **23.4911, 0.3105, 0.2277** is the 20% darker color. If you saturate the color by 10%, you get **41.3878, 0.3118, 0.2226**, and if you desaturate by 10%, it is **58.6433, 0.3126, 0.2723**.

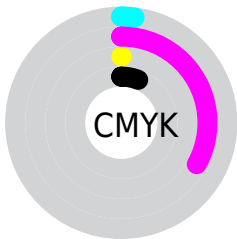
Distribution



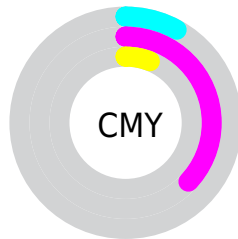
- Red (92%)
- Green (63%)
- Blue (94%)



- Red (92%)
- Yellow (63%)
- Blue (94%)



- Cyan (2%)
- Magenta (33%)
- Yellow (0%)
- Black (6%)





- Cyan (8%)
- Magenta (37%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2142, 0.3123, 0.2469 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 49.2142, 0.3123, 0.2469 by changing the saturation by 10% instead.

 49.2142, 0.3123,
0.2469


 49.2142, 0.3123,
0.2469


383.5850, 0.3136,
0.2846

 34.7894, 0.3117,
0.2384


 89.0095, 0.3130,
0.2599

 23.5007, 0.3109,
0.2280


 115.1488, 0.3131,
0.2650

 14.9637, 0.3096,
0.2149


145.9618, 0.3133,
0.2694

 8.7939, 0.3075,
0.1982

181.8328, 0.3134,
0.2732

 4.6070, 0.3039,
0.1761

223.1462, 0.3135,
0.2766

 2.0186, 0.2973,
0.1458

270.2864, 0.3135,

 0.6182, 0.2846,

0.2796

0.0995

323.6379, 0.3135,
0.2823

0.0000, 0.2457,
0.0000

0.0000, 0.0000,
0.0000

49.2142, 0.3123,
0.2469

49.2142, 0.3123,
0.2469

41.3878, 0.3118,
0.2226

58.6433, 0.3126,
0.2723

35.0665, 0.3110,
0.2003

69.7526, 0.3128,
0.2977

30.1520, 0.3100,
0.1811


82.6225, 0.3127,
0.3226

26.5317, 0.3088,
0.1657


96.2954, 0.3127,
0.3449


 24.0756, 0.3074,
0.1546


 96.5647, 0.3136,
0.3448

 22.6268, 0.3058,
0.1479

 96.8362, 0.3146,
0.3448

 22.0254, 0.3046,
0.1452

 97.1100, 0.3155,
0.3447

 97.3861, 0.3165,
0.3447

 97.6645, 0.3175,
0.3446

Harmonies

Analogous

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



49.2142, 0.2513, 0.2280



49.2142, 0.3123, 0.2469



49.2142, 0.3802, 0.2829

Triad

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



49.2142, 0.3123, 0.2469



49.2142, 0.4194, 0.4256



49.2142, 0.2065, 0.3103

Complementary

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



49.2142, 0.3123, 0.2469



72.4037, 0.3113, 0.4251

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.



49.2142, 0.2438, 0.3794



49.2142, 0.3123, 0.2469



49.2142, 0.3664, 0.4506

Square

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



49.2142, 0.3123, 0.2469



49.2142, 0.4449, 0.3803



49.2142, 0.3020, 0.4357



49.2142, 0.1957, 0.2573

Rectangle

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



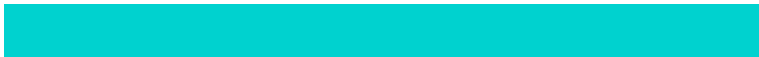
49.2142, 0.3123, 0.2469



49.2142, 0.4176, 0.3134



49.2142, 0.3020, 0.4357



49.2142, 0.2160, 0.3326

Sweetspot

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



49.2163, 0.3123, 0.2469



84.4872, 0.3128, 0.3043



41.1600, 0.2550, 0.2388



17.6531, 0.3128, 0.3007



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.



49.2163, 0.3123, 0.2469



50.9177, 0.3120, 0.2309



48.2601, 0.3458, 0.2811



15.9768, 0.3128, 0.3057



12.1962, 0.3049, 0.1453



1.0301, 0.3071, 0.1466

Inverse Universe

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



46.5964, 0.3835, 0.3236



47.4920, 0.4046, 0.3226



73.2316, 0.2895, 0.3827



15.7753, 0.3283, 0.3275



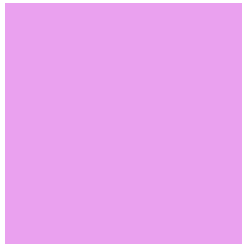
10.1670, 0.6333, 0.3262



0.8515, 0.6161, 0.3168

Previews

White Background



This preview shows how the Yxy color 49.2142, 0.3123, 0.2469 looks on a white background.

Color Contrast Check

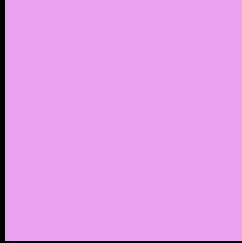
Large Text (above 18pt) WCAG AA × Fail

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 49.2142, 0.3123, 0.2469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

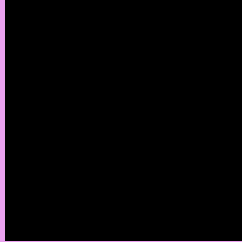
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2142, 0.3123, 0.2469

Background



This preview shows how black text looks on a background with the Yxy color 49.2142, 0.3123, 0.2469.

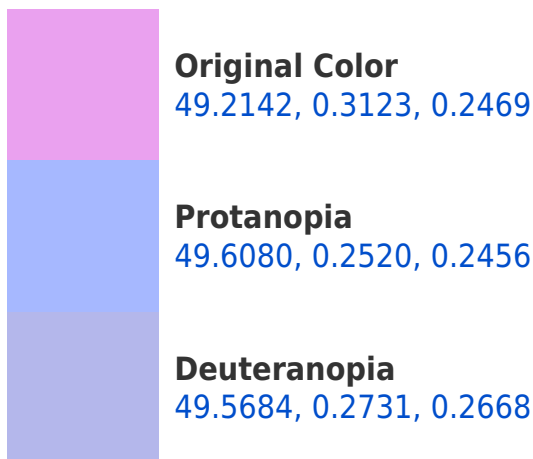


This preview shows how white text looks on a background with the Yxy color 49.2142, 0.3123, 0.2469.

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





Tritanopia

49.3387, 0.3514, 0.3142

Trichromacy



Original Color

49.2142, 0.3123, 0.2469



Protanomaly

48.9666, 0.2715, 0.2457



Deuteranomaly

48.9954, 0.2869, 0.2589



Tritanomaly

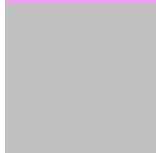
49.2360, 0.3369, 0.2877

Monochromacy



Original Color

49.2142, 0.3123, 0.2469



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

50.9166, 0.3126, 0.2960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2142, 0.3123, 0.2469 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(234, 161, 239)` looks like.

```
.text, #text, p{  
    color:rgb(234, 161, 239)  
}
```

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(234, 161, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 161, 239) }
```

Border

The CSS property to change the border of an element to Yxy 49.2142, 0.3123, 0.2469 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(234, 161, 239) }
```

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

```
.border{ border-color:rgb(234, 161, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 161, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 161, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 161, 239);  
box-shadow:4px 4px 4px 4px rgb(234, 161,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2142, 0.3123, 0.2469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 161, 239) }
```

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

```
.background{ background-color: rgb(234,  
161, 239) }
```

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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