

Converting Colors

$Y_{xy}(49.8872, 0.3198, 0.2498)$

Have a look what the booklet for
Yxy(49.8872, 0.3198, 0.2498)
contains.

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Color

Yxy(49.7230, 0.3199, 0.2499)

Conversions

Conversions Part 1

Format	Color
Hex	F0A0EC
RGB	240, 160, 236
RGB Percent	94%, 63%, 93%
CMY	0.0587, 0.3726, 0.0745
CMYK	0.00, 0.33, 0.02, 0.06
HSL	303°, 73%, 78%
HSV	303°, 33%, 94%
XYZ	63.6510, 49.7230, 85.5976
YIQ	192.5840, 23.2840, 40.5960

Conversions

Conversions Part 2

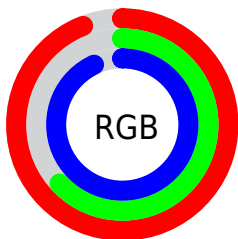
Format	Color
R _Y B	240, 160, 236
Decimal	15769836
CIE Lab	75.90, 41.33, -26.14
CIE LCh	76, 48.903, 327.690
Yxy	49.7230, 0.3199, 0.2499
Android (android.graphics.Color)	4293959916 (0xFFFF0A0EC)
YUV	192.5840, 21.4041, 41.5838
Hunter-Lab	70.5145, 37.7253, -22.6119

Details

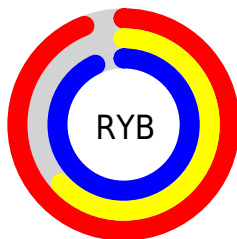
The Yxy color **49.7230, 0.3199, 0.2499** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **72.4869, 0.3058, 0.4234**, and the grayscale version is **52.9352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5917, 0.3145, 0.2910**, and **23.8780, 0.3208, 0.2319** is the 20% darker color. If you saturate the color by 10%, you get **42.1217, 0.3223, 0.2274**, and if you desaturate by 10%, it is **58.9356, 0.3176, 0.2736**.

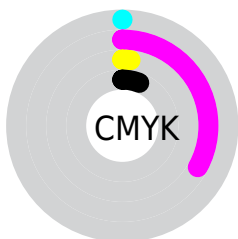
Distribution



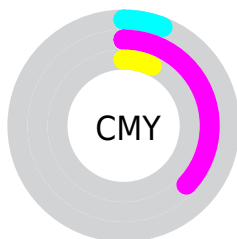
- Red (94%)
- Green (63%)
- Blue (93%)



- Red (94%)
- Yellow (63%)
- Blue (93%)



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




- Cyan (6%)
- Magenta (37%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7230, 0.3199, 0.2499 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 49.7230, 0.3199, 0.2499 by changing the saturation by 10% instead.


 49.7230, 0.3199,
0.2499

 49.7230, 0.3199,
0.2499


385.5817, 0.3174,
0.2863

 35.1934, 0.3202,
0.2417


 89.7643, 0.3192,
0.2624

 23.8119, 0.3205,
0.2317


 116.0448, 0.3189,
0.2673

 15.1941, 0.3207,
0.2191


147.0110, 0.3186,
0.2716

 8.9557, 0.3206,
0.2029

183.0473, 0.3183,
0.2753

 4.7123, 0.3199,
0.1814

224.5381, 0.3181,
0.2785

 2.0795, 0.3175,
0.1518

271.8679, 0.3178,

 0.6530, 0.3114,

0.2814

0.1070

325.4210, 0.3176,
0.2840

0.0000, 0.2947,
0.0000

0.0000, 0.0000,
0.0000

49.7230, 0.3199,
0.2499

49.7230, 0.3199,
0.2499

42.1217, 0.3223,
0.2274

58.9356, 0.3176,
0.2736

36.0322, 0.3247,
0.2070


69.8381, 0.3154,
0.2977

31.3544, 0.3271,
0.1898

82.5121, 0.3133,
0.3213

27.9736, 0.3293,
0.1764


96.3894, 0.3116,
0.3430

 25.7568, 0.3313,
0.1674

 96.4617, 0.3109,
0.3418


 24.5427, 0.3331,
0.1627

 96.5345, 0.3102,
0.3406

 24.1279, 0.3341,
0.1614

 96.6077, 0.3095,
0.3394

 96.6814, 0.3088,
0.3382

 96.7557, 0.3081,
0.3370

Harmonies

Analogous

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



49.7230, 0.2570, 0.2288



49.7230, 0.3199, 0.2499



49.7230, 0.3875, 0.2876

Triad

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



49.7230, 0.3199, 0.2499



49.7230, 0.4150, 0.4301



49.7230, 0.2036, 0.3031

Complementary

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



49.7230, 0.3199, 0.2499



72.4869, 0.3058, 0.4234

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.



49.7230, 0.2381, 0.3719



49.7230, 0.3199, 0.2499



49.7230, 0.3596, 0.4517

Square

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



49.7230, 0.3199, 0.2499



49.7230, 0.4444, 0.3859



49.7230, 0.2948, 0.4316



49.7230, 0.1957, 0.2527

Rectangle

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



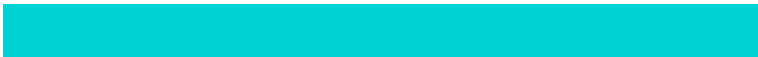
49.7230, 0.3199, 0.2499



49.7230, 0.4229, 0.3188



49.7230, 0.2948, 0.4316



49.7230, 0.2122, 0.3249

Sweetspot

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



49.7252, 0.3199, 0.2499



84.7134, 0.3147, 0.3056



39.3249, 0.2555, 0.2304



17.7083, 0.3150, 0.3022



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.



49.7252, 0.3199, 0.2499



50.9366, 0.3215, 0.2344



47.6550, 0.3555, 0.2897



16.0169, 0.3146, 0.3069



13.2115, 0.3339, 0.1613



1.1033, 0.3320, 0.1603

Inverse Universe

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



49.7252, 0.3199, 0.2499



50.9366, 0.3215, 0.2344



74.1660, 0.2840, 0.3723



16.0169, 0.3146, 0.3069



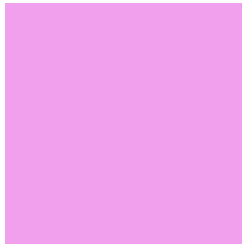
13.2115, 0.3339, 0.1613



1.1033, 0.3320, 0.1603

Previews

White Background



This preview shows how the Yxy color 49.7230, 0.3199, 0.2499 looks on a white background.

Color Contrast Check

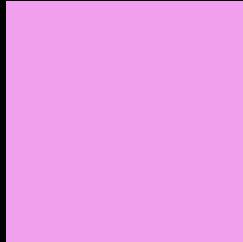
Large Text (above 18pt) WCAG AA × Fail

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 49.7230, 0.3199, 0.2499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

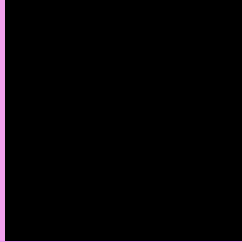
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7230, 0.3199, 0.2499

Background



This preview shows how black text looks on a background with the Yxy color 49.7230, 0.3199, 0.2499.



This preview shows how white text looks on a background with the Yxy color 49.7230, 0.3199, 0.2499.

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

49.7230, 0.3199, 0.2499

Protanopia

50.0692, 0.2534, 0.2479

Deuteranopia

50.1745, 0.2773, 0.2716



Tritanopia

49.4920, 0.3591, 0.3145

Trichromacy



Original Color

49.7230, 0.3199, 0.2499



Protanomaly

49.2354, 0.2750, 0.2481



Deuteranomaly

49.3805, 0.2922, 0.2626



Tritanomaly

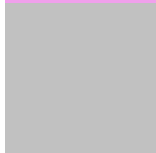
49.3696, 0.3453, 0.2895

Monochromacy



Original Color

49.7230, 0.3199, 0.2499



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

51.3528, 0.3151, 0.2963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7230, 0.3199, 0.2499 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(240, 160, 236)` looks like.

```
.text, #text, p{  
    color:rgb(240, 160, 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(240, 160, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 160, 236) }
```

Border

The CSS property to change the border of an element to Yxy 49.7230, 0.3199, 0.2499 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(240, 160, 236) }
```

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

```
.border{ border-color:rgb(240, 160, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 160, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 160, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 160, 236);  
box-shadow:4px 4px 4px 4px rgb(240, 160,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7230, 0.3199, 0.2499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 160, 236) }
```

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

```
.background{ background-color: rgb(240,  
160, 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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