

Converting Colors

$Y_{xy}(49.4008, 0.3445, 0.2578)$

Have a look what the booklet for
Yxy(49.4008, 0.3445, 0.2578)
contains.

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Color

Yxy(49.3702, 0.3450, 0.2582)

Conversions

Conversions Part 1

Format	Color
Hex	FF99DF
RGB	255, 153, 223
RGB Percent	100%, 60%, 87%
CMY	0.0000, 0.4001, 0.1254
CMYK	0.00, 0.40, 0.13, 0.00
HSL	319°, 100%, 80%
HSV	319°, 40%, 100%
XYZ	65.9672, 49.3702, 75.8718
YIQ	191.4780, 38.3220, 43.3940

Conversions

Conversions Part 2

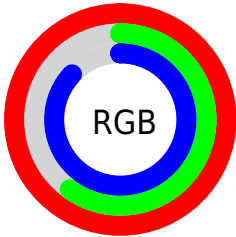
Format	Color
RYB	255, 153, 223
Decimal	16751071
CIELab	75.68, 47.51, -19.24
CIELCh	76, 51.261, 337.954
Yxy	49.3702, 0.3450, 0.2582
Android (android.graphics.Color)	4294941151 (0xFFFF99DF)
YUV	191.4780, 15.5403, 55.7088
Hunter-Lab	70.2639, 44.6225, -14.8373

Details

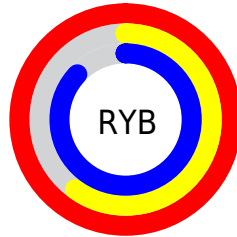
The Yxy color $49.3702, 0.3450, 0.2582$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $81.7907, 0.2910, 0.4130$, and the grayscale version is $52.2732, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.0809, 0.3148, 0.2841$, and $23.6212, 0.3528, 0.2411$ is the 20% darker color. If you saturate the color by 10%, you get $41.4680, 0.3562, 0.2415$, and if you desaturate by 10%, it is $59.0587, 0.3350, 0.2760$.

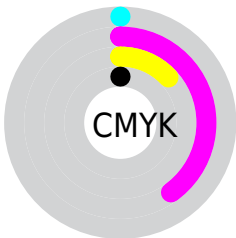
Distribution



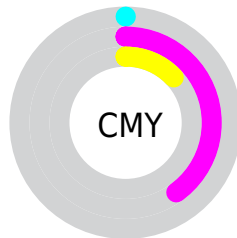
- Red (100%)
- Green (60%)
- Blue (87%)



- Red (100%)
- Yellow (60%)
- Blue (87%)



- Cyan (0%)
- Magenta (40%)
- Yellow (13%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3702, 0.3450, 0.2582 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 49.3702, 0.3450, 0.2582 by changing the saturation by 10% instead.


 49.3702, 0.3450,
0.2582

 49.3702, 0.3450,
0.2582

384.1979, 0.3301,
0.2910

 34.9132, 0.3484,
0.2507


 89.2410, 0.3398,
0.2696

 23.5960, 0.3526,
0.2415


 115.4237, 0.3378,
0.2740

 15.0342, 0.3578,
0.2299


146.2837, 0.3361,
0.2778

 8.8434, 0.3647,
0.2148

182.2055, 0.3346,
0.2811

 4.6392, 0.3738,
0.1946

223.5734, 0.3332,
0.2841

 2.0372, 0.3867,
0.1661

270.7718, 0.3321,

 0.6289, 0.4073,

0.2866

0.1203

324.1852, 0.3310,
0.2889

0.0000, 0.4611,
0.0000

0.0000, 0.0000,
0.0000

49.3702, 0.3450,
0.2582

49.3702, 0.3450,
0.2582

41.4680, 0.3562,
0.2415

59.0587, 0.3350,
0.2760

35.2632, 0.3685,
0.2270

70.6643, 0.3264,
0.2941

30.6189, 0.3818,
0.2158

84.2752, 0.3190,
0.3119

27.3881, 0.3954,
0.2089

99.9814, 0.3127,
0.3290

■ 25.3960, 0.4090,
0.2071

100.0000, 0.3127,
0.3290

■ 24.3571, 0.4221,
0.2099

Harmonies

Analogous

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



49.3702, 0.2749, 0.2298



49.3702, 0.3450, 0.2582



49.3702, 0.4121, 0.3017

Triad

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



49.3702, 0.3450, 0.2582



49.3702, 0.4017, 0.4463



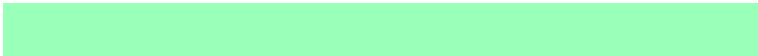
49.3702, 0.1928, 0.2804

Complementary

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



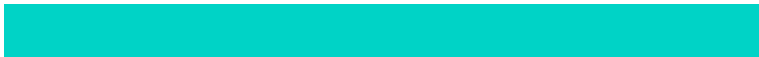
49.3702, 0.3450, 0.2582



81.7907, 0.2910, 0.4130

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.



49.3702, 0.2191, 0.3483



49.3702, 0.3450, 0.2582



49.3702, 0.3383, 0.4567

Square

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



49.3702, 0.3450, 0.2582



49.3702, 0.4440, 0.4051



49.3702, 0.2714, 0.4193



49.3702, 0.1942, 0.2373

Rectangle

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



49.3702, 0.3450, 0.2582



49.3702, 0.4416, 0.3356



49.3702, 0.2714, 0.4193



49.3702, 0.1985, 0.3008

Sweetspot

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



49.3615, 0.3449, 0.2582



81.4040, 0.3204, 0.3084



40.1318, 0.2598, 0.2123



17.0297, 0.3213, 0.3061



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.



49.3615, 0.3449, 0.2582



42.9159, 0.3538, 0.2447



47.0650, 0.3937, 0.3078



18.1977, 0.3186, 0.3128



12.7553, 0.4200, 0.2087



1.2617, 0.4059, 0.2009

Inverse Universe

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



49.3615, 0.3449, 0.2582



42.9159, 0.3538, 0.2447



84.2643, 0.2667, 0.3522



18.1977, 0.3186, 0.3128



12.7553, 0.4200, 0.2087



1.2617, 0.4059, 0.2009

Previews

White Background



This preview shows how the Yxy color 49.3702, 0.3450, 0.2582 looks on a white background.

Color Contrast Check

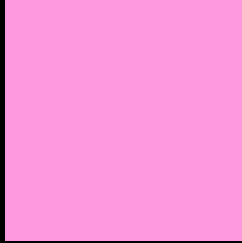
Large Text (above 18pt) WCAG AA × Fail

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 49.3702, 0.3450, 0.2582 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 49.3702, 0.3450, 0.2582

Background



This preview shows how black text looks on a background with the Yxy color 49.3702, 0.3450, 0.2582.



This preview shows how white text looks on a background with the Yxy color 49.3702, 0.3450, 0.2582.

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

49.3702, 0.3450, 0.2582

Protanopia

49.9484, 0.2610, 0.2576

Deuteranopia

49.4650, 0.2921, 0.2854



Tritanopia

49.0755, 0.3836, 0.3152

Trichromacy



Original Color

49.3702, 0.3450, 0.2582



Protanomaly

48.5581, 0.2877, 0.2559



Deuteranomaly

48.5893, 0.3102, 0.2730



Tritanomaly

49.1113, 0.3697, 0.2942

Monochromacy



Original Color

49.3702, 0.3450, 0.2582



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.0522, 0.3236, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3702, 0.3450, 0.2582 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(255, 153, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 223)  
}
```

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(255, 153, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 223) }
```

Border

The CSS property to change the border of an element to Yxy 49.3702, 0.3450, 0.2582 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(255, 153, 223) }
```

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

```
.border{ border-color:rgb(255, 153, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3702, 0.3450, 0.2582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 223) }
```

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

```
.background{ background-color: rgb(255,  
153, 223) }
```

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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