

Converting Colors

$Y_{xy}(50.7167, 0.3583, 0.2720)$

Have a look what the booklet for
Yxy(50.7167, 0.3583, 0.2720)
contains.

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Color

Yxy(49.8410, 0.3538, 0.2707)

Conversions

Conversions Part 1

Format	Color
Hex	FF9CD5
RGB	255, 156, 213
RGB Percent	100%, 61%, 84%
CMY	0.0000, 0.3882, 0.1647
CMYK	0.00, 0.39, 0.16, 0.00
HSL	325°, 100%, 81%
HSV	325°, 39%, 100%
XYZ	65.1413, 49.8410, 69.1367
YIQ	192.0990, 40.7070, 38.7150

Conversions

Conversions Part 2

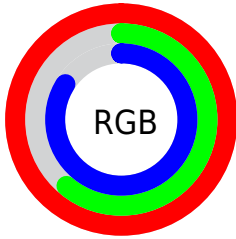
Format	Color
R _Y B	255, 156, 213
Decimal	16751829
CIE Lab	75.97, 44.41, -13.33
CIE LCh	76, 46.363, 343.291
Yxy	49.8410, 0.3538, 0.2707
Android (android.graphics.Color)	4294941909 (0xFFFF9CD5)
YUV	192.0990, 10.3042, 55.1642
Hunter-Lab	70.5982, 41.1561, -8.6439

Details

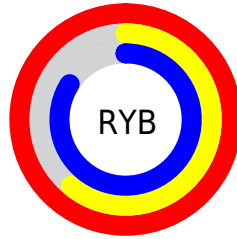
The Yxy color $49.8410, 0.3538, 0.2707$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $82.6653, 0.2861, 0.3963$, and the grayscale version is $52.6933, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.5670, 0.3147, 0.2871$, and $23.8417, 0.3652, 0.2565$ is the 20% darker color. If you saturate the color by 10%, you get $41.6317, 0.3691, 0.2562$, and if you desaturate by 10%, it is $59.8837, 0.3405, 0.2860$.

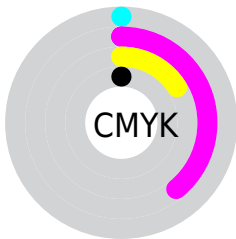
Distribution



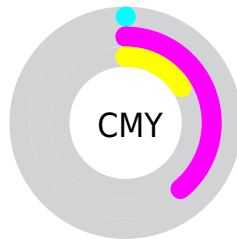
- Red (100%)
- Green (61%)
- Blue (84%)



- Red (100%)
- Yellow (61%)
- Blue (84%)



- Cyan (0%)
- Magenta (39%)
- Yellow (16%)
- Black (0%)




- Cyan (0%)
- Magenta (39%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8410, 0.3538, 0.2707 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 49.8410, 0.3538, 0.2707 by changing the saturation by 10% instead.

 49.8410, 0.3538,
0.2707

 49.8410, 0.3538,
0.2707

386.0438, 0.3342,
0.2981

 35.2871, 0.3584,
0.2644


 89.9393, 0.3469,
0.2803

 23.8841, 0.3642,
0.2565


 116.2524, 0.3442,
0.2840

 15.2477, 0.3716,
0.2465


147.2540, 0.3420,
0.2871

 8.9934, 0.3815,
0.2333

183.3286, 0.3400,
0.2899

 4.7369, 0.3954,
0.2153

224.8604, 0.3383,
0.2923

 2.0937, 0.4159,
0.1893

272.2340, 0.3368,

 0.6611, 0.4513,

0.2945

0.1457

325.8337, 0.3354,
0.2964

0.0000, 0.5966,
0.0000

0.0000, 0.0000,
0.0000

49.8410, 0.3538,
0.2707

49.8410, 0.3538,
0.2707

41.6317, 0.3691,
0.2562

59.8837, 0.3405,
0.2860

35.1409, 0.3865,
0.2437

71.8632, 0.3292,
0.3014

30.2420, 0.4054,
0.2342

85.8760, 0.3198,
0.3164

26.7903, 0.4255,
0.2289

100.0000, 0.3127,
0.3290

■ 24.6144, 0.4457,
0.2289

■ 23.4661, 0.4652,
0.2342

■ 23.3608, 0.4675,
0.2349

Harmonies

Analogous

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



49.8410, 0.2893, 0.2415



49.8410, 0.3538, 0.2707



49.8410, 0.4108, 0.3128

Triad

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



49.8410, 0.3538, 0.2707



49.8410, 0.3851, 0.4396



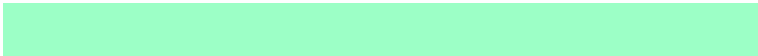
49.8410, 0.2015, 0.2769

Complementary

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



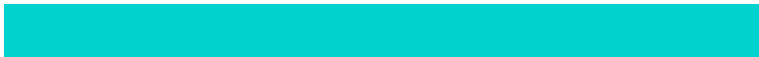
49.8410, 0.3538, 0.2707



82.6653, 0.2861, 0.3963

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.



49.8410, 0.2216, 0.3350



49.8410, 0.3538, 0.2707



49.8410, 0.3257, 0.4404

Square

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



49.8410, 0.3538, 0.2707



49.8410, 0.4274, 0.4072



49.8410, 0.2660, 0.3996



49.8410, 0.2071, 0.2415

Rectangle

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



49.8410, 0.3538, 0.2707



49.8410, 0.4333, 0.3446



49.8410, 0.2660, 0.3996



49.8410, 0.2053, 0.2941

Sweetspot

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



49.8413, 0.3538, 0.2707



81.1985, 0.3226, 0.3117



42.9014, 0.2705, 0.2189



16.9813, 0.3238, 0.3098



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.



49.8413, 0.3538, 0.2707



42.9968, 0.3662, 0.2588



47.7266, 0.4020, 0.3206



18.1624, 0.3204, 0.3154



12.2370, 0.4645, 0.2332



1.2133, 0.4435, 0.2217

Inverse Universe

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



49.8413, 0.3538, 0.2707



42.9968, 0.3662, 0.2588



85.2880, 0.2625, 0.3381



18.1624, 0.3204, 0.3154



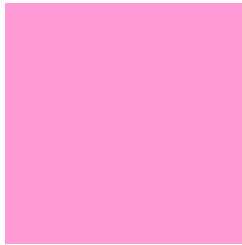
12.2370, 0.4645, 0.2332



1.2133, 0.4435, 0.2217

Previews

White Background



This preview shows how the Yxy color 49.8410, 0.3538, 0.2707 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 49.8410, 0.3538, 0.2707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

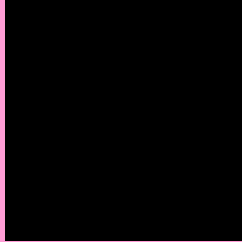
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8410, 0.3538, 0.2707

Background



This preview shows how black text looks on a background with the Yxy color 49.8410, 0.3538, 0.2707.



This preview shows how white text looks on a background with the Yxy color 49.8410, 0.3538, 0.2707.

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

49.8410, 0.3538, 0.2707

Protanopia

50.3481, 0.2726, 0.2723

Deuteranopia

50.1568, 0.3042, 0.2987



Tritanopia

49.7988, 0.3851, 0.3164

Trichromacy



Original Color

49.8410, 0.3538, 0.2707



Protanomaly

49.1301, 0.2981, 0.2700



Deuteranomaly

49.2920, 0.3208, 0.2865



Tritanomaly

49.5112, 0.3732, 0.2985

Monochromacy



Original Color

49.8410, 0.3538, 0.2707



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

50.8574, 0.3267, 0.3045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8410, 0.3538, 0.2707 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, 156, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 213)  
}
```

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, 156, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 213) }
```

Border

The CSS property to change the border of an element to Yxy 49.8410, 0.3538, 0.2707 is called "border". The border property can be set on classes, ids or directly on the HTML element.

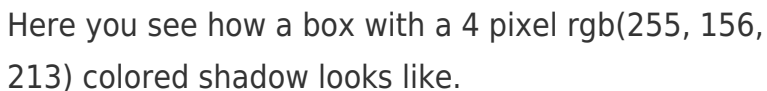
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 156, 213) }
```

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

```
.border{ border-color:rgb(255, 156, 213) }
```

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



Here you see how a box with a 4 pixel rgb(255, 156, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8410, 0.3538, 0.2707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 213) }
```

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

```
.background{ background-color: rgb(255,  
156, 213) }
```

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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