

Converting Colors

$Y_{xy}(48.6320, 0.3809, 0.2956)$

Have a look what the booklet for
Yxy(48.6320, 0.3809, 0.2956)
contains.

Yxy(48.2905, 0.3793, 0.2957)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.2905, 0.3793, 0.2957)

Conversions

Conversions Part 1

Format	Color
Hex	FF9BBB
RGB	255, 155, 187
RGB Percent	100%, 61%, 73%
CMY	0.0000, 0.3922, 0.2666
CMYK	0.00, 0.39, 0.27, 0.00
HSL	341°, 100%, 80%
HSV	341°, 39%, 100%
XYZ	61.9431, 48.2905, 53.0755
YIQ	188.5480, 49.3280, 31.1520

Conversions

Conversions Part 2

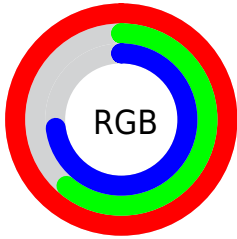
Format	Color
R _Y B	255, 155, 187
Decimal	16751547
CIE Lab	75.01, 41.22, -0.49
CIE LCh	75, 41.227, 359.317
Yxy	48.2905, 0.3793, 0.2957
Android (android.graphics.Color)	4294941627 (0xFFFF9BBB)
YUV	188.5480, -0.7632, 58.2784
Hunter-Lab	69.4914, 37.5012, 3.3600

Details

The Yxy color **48.2905, 0.3793, 0.2957** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.8129, 0.2732, 0.3659**, and the grayscale version is **50.5941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3196, 0.3230, 0.2974**, and **22.9597, 0.3973, 0.2867** is the 20% darker color. If you saturate the color by 10%, you get **39.9778, 0.4057, 0.2877**, and if you desaturate by 10%, it is **58.4735, 0.3571, 0.3044**.

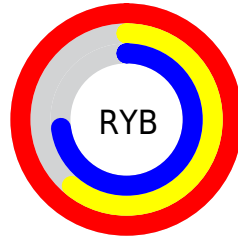
Distribution



Red (100%)

Green (61%)

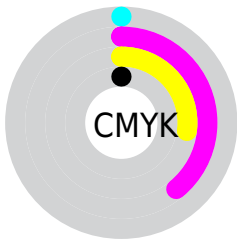
Blue (73%)



Red (100%)

Yellow (61%)

Blue (73%)

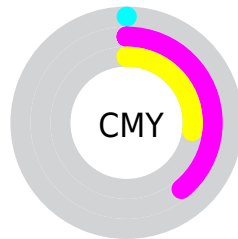


Cyan (0%)

Magenta (39%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2905, 0.3793, 0.2957 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 48.2905, 0.3793, 0.2957 by changing the saturation by 10% instead.

 48.2905, 0.3793,
0.2957


 48.2905, 0.3793,
0.2957

379.9424, 0.3463,
0.3122

 34.0570, 0.3874,
0.2916


 87.6368, 0.3674,
0.3016

 22.9374, 0.3978,
0.2865


 113.5183, 0.3629,
0.3039

 14.5473, 0.4115,
0.2797


144.0514, 0.3591,
0.3058

 8.5023, 0.4303,
0.2704

179.6203, 0.3558,
0.3074

 4.4180, 0.4578,
0.2568

220.6094, 0.3529,
0.3089

 1.9100, 0.5012,
0.2354

267.4032, 0.3505,

 0.5544, 0.5934,

0.3101

0.1891

320.3861, 0.3482,
0.3112

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.2905, 0.3793,
0.2957

48.2905, 0.3793,
0.2957

39.9778, 0.4057,
0.2877

58.4735, 0.3571,
0.3044

33.4352, 0.4364,
0.2812

70.6505, 0.3389,
0.3132

28.5270, 0.4706,
0.2776

84.9146, 0.3240,
0.3216

25.1048, 0.5066,
0.2779

100.0000, 0.3127,
0.3290

■ 22.9928, 0.5413,
0.2831

■ 21.9277, 0.5717,
0.2927

■ 21.8640, 0.5739,
0.2935

Harmonies

Analogous

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



48.2905, 0.3225, 0.2618



48.2905, 0.3793, 0.2957



48.2905, 0.4182, 0.3382

Triad

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



48.2905, 0.3793, 0.2957



48.2905, 0.3511, 0.4329



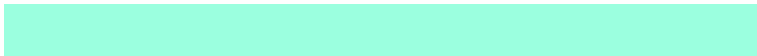
48.2905, 0.2113, 0.2623

Complementary

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



48.2905, 0.3793, 0.2957



83.8129, 0.2732, 0.3659

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.



48.2905, 0.2173, 0.3051



48.2905, 0.3793, 0.2957



48.2905, 0.2953, 0.4128

Square

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



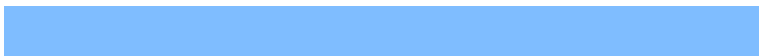
48.2905, 0.3793, 0.2957



48.2905, 0.3991, 0.4183



48.2905, 0.2468, 0.3623



48.2905, 0.2288, 0.2416

Rectangle

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



48.2905, 0.3793, 0.2957



48.2905, 0.4265, 0.3678



48.2905, 0.2468, 0.3623



48.2905, 0.2107, 0.2743

Sweetspot

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



48.2849, 0.3793, 0.2957



80.7385, 0.3278, 0.3193



46.1326, 0.2898, 0.2236



16.8732, 0.3297, 0.3182



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.



48.2849, 0.3793, 0.2957



41.6675, 0.3994, 0.2894



52.9984, 0.4047, 0.3468



18.0829, 0.3244, 0.3214



11.4484, 0.5696, 0.2911



1.1336, 0.5376, 0.2735

Inverse Universe

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



48.2849, 0.3793, 0.2957



41.6675, 0.3994, 0.2894



75.5283, 0.2554, 0.3100



18.0829, 0.3244, 0.3214



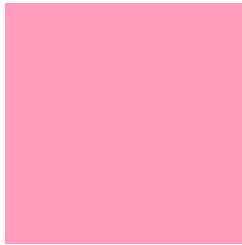
11.4484, 0.5696, 0.2911



1.1336, 0.5376, 0.2735

Previews

White Background



This preview shows how the Yxy color 48.2905, 0.3793, 0.2957 looks on a white background.

Color Contrast Check

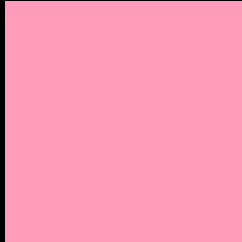
Large Text (above 18pt) WCAG AA × Fail

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 48.2905, 0.3793, 0.2957 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 48.2905, 0.3793, 0.2957

Background



This preview shows how black text looks on a background with the Yxy color 48.2905, 0.3793, 0.2957.



This preview shows how white text looks on a background with the Yxy color 48.2905, 0.3793, 0.2957.

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

48.2905, 0.3793, 0.2957

Protanopia

48.7079, 0.2967, 0.3039

Deuteranopia

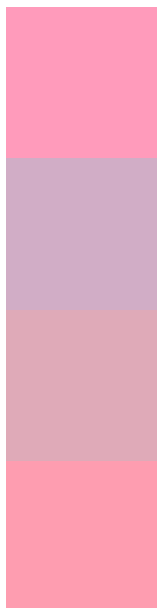
48.4965, 0.3313, 0.3241



Tritanopia

48.2386, 0.3936, 0.3165

Trichromacy



Original Color

48.2905, 0.3793, 0.2957

Protanomaly

47.5197, 0.3238, 0.2992

Deuteranomaly

47.8981, 0.3491, 0.3128

Tritanomaly

48.3194, 0.3888, 0.3092

Monochromacy



Original Color

48.2905, 0.3793, 0.2957

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

49.2213, 0.3353, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2905, 0.3793, 0.2957 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, 155, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 187)  
}
```

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, 155, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 187) }
```

Border

The CSS property to change the border of an element to Yxy 48.2905, 0.3793, 0.2957 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, 155, 187) }
```

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

```
.border{ border-color:rgb(255, 155, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 155, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2905, 0.3793, 0.2957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 187) }
```

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

```
.background{ background-color: rgb(255,  
155, 187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor