

Converting Colors

$Y_{xy}(48.5672, 0.3770, 0.2941)$

Have a look what the booklet for
Yxy(48.5672, 0.3770, 0.2941)
contains.

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Color

Yxy(48.7111, 0.3770, 0.2947)

Conversions

Conversions Part 1

Format	Color
Hex	FF9CBD
RGB	255, 156, 189
RGB Percent	100%, 61%, 74%
CMY	0.0000, 0.3882, 0.2588
CMYK	0.00, 0.39, 0.26, 0.00
HSL	340°, 100%, 81%
HSV	340°, 39%, 100%
XYZ	62.3145, 48.7111, 54.2649
YIQ	189.3630, 48.4110, 31.2510

Conversions

Conversions Part 2

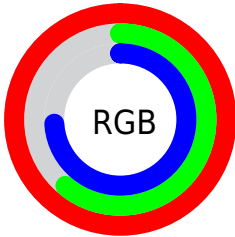
Format	Color
R _Y B	255, 156, 189
Decimal	16751805
CIE Lab	75.27, 40.95, -1.20
CIE LCh	75, 40.971, 358.316
Yxy	48.7111, 0.3770, 0.2947
Android (android.graphics.Color)	4294941885 (0xFFFF9CBD)
YUV	189.3630, -0.1790, 57.5636
Hunter-Lab	69.7933, 37.2342, 2.7569

Details

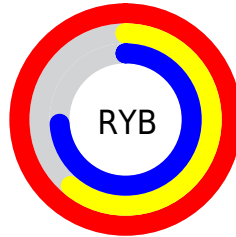
The Yxy color **48.7111, 0.3770, 0.2947** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.8624, 0.2742, 0.3670**, and the grayscale version is **51.0892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9395, 0.3215, 0.2965**, and **23.2138, 0.3941, 0.2853** is the 20% darker color. If you saturate the color by 10%, you get **40.3389, 0.4027, 0.2863**, and if you desaturate by 10%, it is **58.9702, 0.3555, 0.3038**.

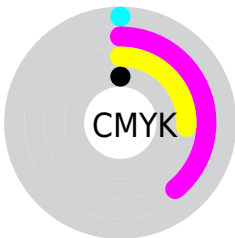
Distribution



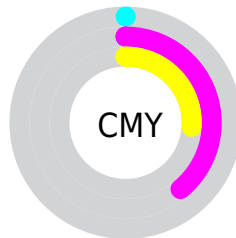
- Red (100%)
- Green (61%)
- Blue (74%)



- Red (100%)
- Yellow (61%)
- Blue (74%)



- Cyan (0%)
- Magenta (39%)
- Yellow (26%)
- Black (0%)





- Cyan (0%)
- Magenta (39%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7111, 0.3770, 0.2947 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 48.7111, 0.3770, 0.2947 by changing the saturation by 10% instead.


 48.7111, 0.3770,
0.2947


 48.7111, 0.3770,
0.2947

381.6039, 0.3452,
0.3116

 34.3904, 0.3848,
0.2906


 88.2622, 0.3655,
0.3008

 23.1936, 0.3948,
0.2853

 114.2614, 0.3612,
0.3031

 14.7366, 0.4079,
0.2785


144.9222, 0.3575,
0.3050

 8.6347, 0.4259,
0.2691

180.6289, 0.3544,
0.3067

 4.5037, 0.4520,
0.2555

221.7661, 0.3516,
0.3082

 1.9591, 0.4934,
0.2342

268.7180, 0.3492,

 0.5836, 0.5766,

0.3094

0.1896

321.8692, 0.3471,
0.3106

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.7111, 0.3770,
0.2947

48.7111, 0.3770,
0.2947

40.3389, 0.4027,
0.2863

58.9702, 0.3555,
0.3038

33.7311, 0.4325,
0.2794

71.2163, 0.3378,
0.3129

28.7604, 0.4659,
0.2753

85.5498, 0.3233,
0.3217

25.2795, 0.5010,
0.2753

100.0000, 0.3127,
0.3290

■ 23.1144, 0.5353,
0.2801

■ 22.0135, 0.5656,
0.2896

■ 21.9160, 0.5690,
0.2908

Harmonies

Analogous

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



48.7111, 0.3205, 0.2614



48.7111, 0.3770, 0.2947



48.7111, 0.4164, 0.3367

Triad

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



48.7111, 0.3770, 0.2947



48.7111, 0.3527, 0.4319



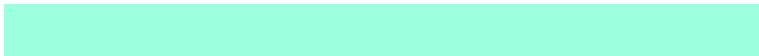
48.7111, 0.2120, 0.2640

Complementary

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



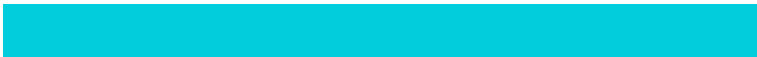
48.7111, 0.3770, 0.2947



83.8624, 0.2742, 0.3670

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.



48.7111, 0.2187, 0.3071



48.7111, 0.3770, 0.2947



48.7111, 0.2973, 0.4132

Square

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



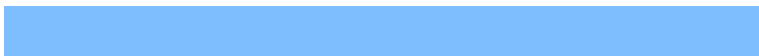
48.7111, 0.3770, 0.2947



48.7111, 0.3997, 0.4167



48.7111, 0.2488, 0.3640



48.7111, 0.2285, 0.2427

Rectangle

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



48.7111, 0.3770, 0.2947



48.7111, 0.4254, 0.3661



48.7111, 0.2488, 0.3640



48.7111, 0.2116, 0.2761

Sweetspot

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



48.7132, 0.3770, 0.2947



80.7617, 0.3276, 0.3189



46.2694, 0.2888, 0.2244



16.8787, 0.3294, 0.3178



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.



48.7132, 0.3770, 0.2947



41.7290, 0.3977, 0.2877



52.7314, 0.4041, 0.3449



18.0870, 0.3242, 0.3211



11.4762, 0.5647, 0.2884



1.1367, 0.5329, 0.2709

Inverse Universe

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



48.7132, 0.3770, 0.2947



41.7290, 0.3977, 0.2877



76.6975, 0.2562, 0.3121



18.0870, 0.3242, 0.3211



11.4762, 0.5647, 0.2884



1.1367, 0.5329, 0.2709

Previews

White Background



This preview shows how the Yxy color 48.7111, 0.3770, 0.2947 looks on a white background.

Color Contrast Check

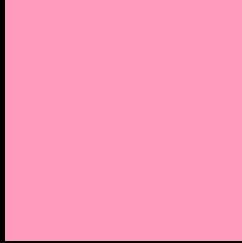
Large Text (above 18pt) WCAG AA × Fail

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 48.7111, 0.3770, 0.2947 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 48.7111, 0.3770, 0.2947

Background



This preview shows how black text looks on a background with the Yxy color 48.7111, 0.3770, 0.2947.



This preview shows how white text looks on a background with the Yxy color 48.7111, 0.3770, 0.2947.

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

48.7111, 0.3770, 0.2947

Protanopia

49.2214, 0.2953, 0.3027

Deuteranopia

48.9827, 0.3295, 0.3229



Tritanopia

48.6192, 0.3923, 0.3165

Trichromacy



Original Color

48.7111, 0.3770, 0.2947

Protanomaly

47.9975, 0.3220, 0.2981

Deuteranomaly

48.3590, 0.3471, 0.3117

Tritanomaly

48.7389, 0.3865, 0.3081

Monochromacy



Original Color

48.7111, 0.3770, 0.2947

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

49.2645, 0.3345, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7111, 0.3770, 0.2947 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 189) }
```

Border

The CSS property to change the border of an element to Yxy 48.7111, 0.3770, 0.2947 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, 189) }
```

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

```
.border{ border-color:rgb(255, 156, 189) }
```

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, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7111, 0.3770, 0.2947 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, 189) }
```

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

```
.background{ background-color: rgb(255,  
156, 189) }
```

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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