

Converting Colors

$Y_{xy}(48.2506, 0.3889, 0.3037)$

Have a look what the booklet for
Yxy(48.2506, 0.3889, 0.3037)
contains.

Yxy(47.9574, 0.3873, 0.3040)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.9574, 0.3873, 0.3040)

Conversions

Conversions Part 1

Format	Color
Hex	FF9BB3
RGB	255, 155, 179
RGB Percent	100%, 61%, 70%
CMY	0.0000, 0.3921, 0.2979
CMYK	0.00, 0.39, 0.30, 0.00
HSL	346°, 100%, 80%
HSV	346°, 39%, 100%
XYZ	61.0984, 47.9574, 48.6988
YIQ	187.6360, 51.8960, 28.6640

Conversions

Conversions Part 2

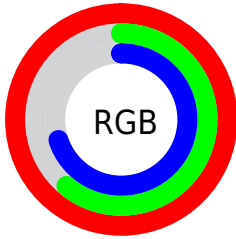
Format	Color
R _Y B	255, 155, 179
Decimal	16751539
CIE Lab	74.80, 40.15, 3.60
CIE LCh	75, 40.309, 5.122
Yxy	47.9574, 0.3873, 0.3040
Android (android.graphics.Color)	4294941619 (0xFFFF9BB3)
YUV	187.6360, -4.2575, 59.0782
Hunter-Lab	69.2513, 36.2955, 6.7820

Details

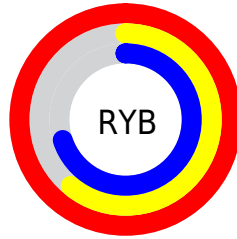
The Yxy color **47.9574, 0.3873, 0.3040** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.2530, 0.2694, 0.3563**, and the grayscale version is **50.0771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8467, 0.3286, 0.3051**, and **22.7449, 0.4089, 0.2973** is the 20% darker color. If you saturate the color by 10%, you get **39.6195, 0.4173, 0.2981**, and if you desaturate by 10%, it is **58.2020, 0.3623, 0.3105**.

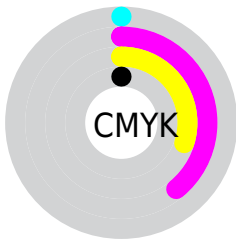
Distribution



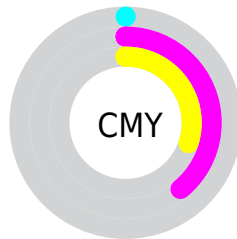
- Red (100%)
- Green (61%)
- Blue (70%)



- Red (100%)
- Yellow (61%)
- Blue (70%)



- Cyan (0%)
- Magenta (39%)
- Yellow (30%)
- Black (0%)



- Cyan (0%)
- Magenta (39%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9574, 0.3873, 0.3040 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 47.9574, 0.3873, 0.3040 by changing the saturation by 10% instead.

 47.9574, 0.3873,
0.3040


 47.9574, 0.3873,
0.3040

378.6232, 0.3501,
0.3168

 33.7932, 0.3965,
0.3007


 87.1410, 0.3738,
0.3087

 22.7347, 0.4083,
0.2965


 112.9291, 0.3687,
0.3105

 14.3978, 0.4240,
0.2909


143.3606, 0.3644,
0.3119

 8.3978, 0.4455,
0.2829

178.8200, 0.3607,
0.3132

 4.3506, 0.4771,
0.2709

219.6915, 0.3575,
0.3143

 1.8715, 0.5273,
0.2511

266.3596, 0.3547,

 0.5312, 0.6596,

0.3152

0.2107

319.2087, 0.3523,
0.3161

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.9574, 0.3873,
0.3040

■ 47.9574, 0.3873,
0.3040

■ 39.6195, 0.4173,
0.2981

■ 58.2020, 0.3623,
0.3105

■ 33.0629, 0.4523,
0.2936

■ 70.4545, 0.3418,
0.3171

■ 28.1584, 0.4912,
0.2915

■ 84.8170, 0.3252,
0.3235

■ 24.7560, 0.5312,
0.2930

99.9987, 0.3127,
0.3290

■ 22.6779, 0.5683,
0.2985

■ 21.6589, 0.5984,
0.3075

■ 21.5985, 0.6005,
0.3082

Harmonies

Analogous

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



47.9574, 0.3336, 0.2685



47.9574, 0.3873, 0.3040



47.9574, 0.4200, 0.3467

Triad

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



47.9574, 0.3873, 0.3040



47.9574, 0.3401, 0.4298



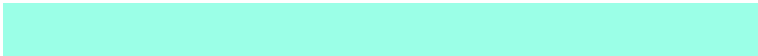
47.9574, 0.2147, 0.2580

Complementary

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



47.9574, 0.3873, 0.3040



84.2530, 0.2694, 0.3563

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.



47.9574, 0.2161, 0.2960



47.9574, 0.3873, 0.3040



47.9574, 0.2855, 0.4032

Square

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



47.9574, 0.3873, 0.3040



47.9574, 0.3897, 0.4216



47.9574, 0.2408, 0.3506



47.9574, 0.2362, 0.2417

Rectangle

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



47.9574, 0.3873, 0.3040



47.9574, 0.4238, 0.3755



47.9574, 0.2408, 0.3506



47.9574, 0.2126, 0.2683

Sweetspot

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



47.9597, 0.3873, 0.3040



80.5987, 0.3295, 0.3218



47.4872, 0.2966, 0.2257



16.8405, 0.3316, 0.3209



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.



47.9597, 0.3873, 0.3040



41.3081, 0.4103, 0.2993



56.2696, 0.4011, 0.3555



18.0586, 0.3256, 0.3233



11.3056, 0.5966, 0.3060



1.1170, 0.5653, 0.2888

Inverse Universe

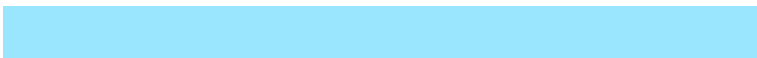
The Inverse Universe completely reimagines the original color for something new.



47.9597, 0.3873, 0.3040



41.3081, 0.4103, 0.2993



70.7807, 0.2539, 0.3002



18.0586, 0.3256, 0.3233



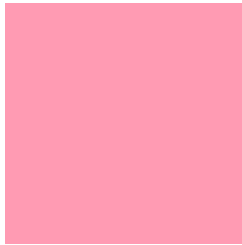
11.3056, 0.5966, 0.3060



1.1170, 0.5653, 0.2888

Previews

White Background



This preview shows how the Yxy color 47.9574, 0.3873, 0.3040 looks on a white background.

Color Contrast Check

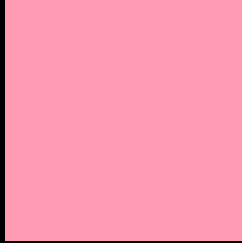
Large Text (above 18pt) WCAG AA × Fail

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 47.9574, 0.3873, 0.3040 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 47.9574, 0.3873, 0.3040

Background



This preview shows how black text looks on a background with the Yxy color 47.9574, 0.3873, 0.3040.



This preview shows how white text looks on a background with the Yxy color 47.9574, 0.3873, 0.3040.

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

47.9574, 0.3873, 0.3040

Protanopia

48.1214, 0.3051, 0.3138

Deuteranopia

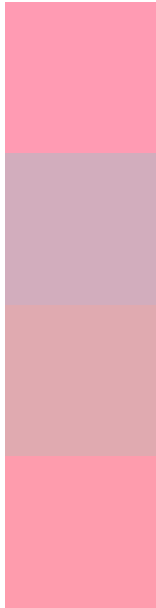
48.0577, 0.3401, 0.3328



Tritanopia

48.0493, 0.3959, 0.3166

Trichromacy



Original Color

47.9574, 0.3873, 0.3040

Protanomaly

47.2629, 0.3324, 0.3098

Deuteranomaly

47.7313, 0.3573, 0.3221

Tritanomaly

47.8649, 0.3922, 0.3113

Monochromacy



Original Color

47.9574, 0.3873, 0.3040

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

48.5505, 0.3372, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9574, 0.3873, 0.3040 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 179) }
```

Border

The CSS property to change the border of an element to Yxy 47.9574, 0.3873, 0.3040 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, 179) }
```

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

```
.border{ border-color:rgb(255, 155, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9574, 0.3873, 0.3040 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, 179) }
```

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

```
.background{ background-color: rgb(255,  
155, 179) }
```

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