

Converting Colors

$Y_{xy}(46.8274, 0.3906, 0.3030)$

Have a look what the booklet for
Yxy(46.8274, 0.3906, 0.3030)
contains.

Yxy(46.8908, 0.3903, 0.3030)	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(46.8908, 0.3903, 0.3030)

Conversions

Conversions Part 1

Format	Color
Hex	FF98B1
RGB	255, 152, 177
RGB Percent	100%, 60%, 69%
CMY	0.0000, 0.4039, 0.3059
CMYK	0.00, 0.40, 0.31, 0.00
HSL	345°, 100%, 80%
HSV	345°, 40%, 100%
XYZ	60.4009, 46.8908, 47.4634
YIQ	185.6470, 53.3630, 29.6110

Conversions

Conversions Part 2

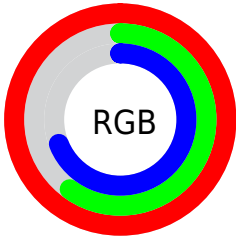
Format	Color
R _Y B	255, 152, 177
Decimal	16750769
CIE Lab	74.12, 41.42, 3.73
CIE LCh	74, 41.591, 5.150
Yxy	46.8908, 0.3903, 0.3030
Android (android.graphics.Color)	4294940849 (0xFFFF98B1)
YUV	185.6470, -4.2630, 60.8226
Hunter-Lab	68.4769, 37.6138, 6.8381

Details

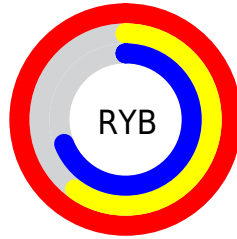
The Yxy color **46.8908, 0.3903, 0.3030** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **83.9023, 0.2685, 0.3576**, and the grayscale version is **48.8990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2549, 0.3303, 0.3040**, and **22.1401, 0.4118, 0.2948** is the 20% darker color. If you saturate the color by 10%, you get **38.7695, 0.4208, 0.2971**, and if you desaturate by 10%, it is **56.9047, 0.3648, 0.3096**.

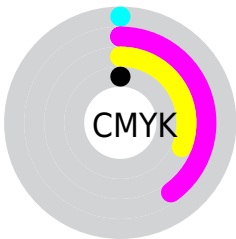
Distribution



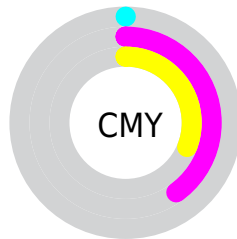
- Red (100%)
- Green (60%)
- Blue (69%)



- Red (100%)
- Yellow (60%)
- Blue (69%)



- Cyan (0%)
- Magenta (40%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8908, 0.3903, 0.3030 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 46.8908, 0.3903, 0.3030 by changing the saturation by 10% instead.


 46.8908, 0.3903,
0.3030

 46.8908, 0.3903,
0.3030


374.3785, 0.3514,
0.3164

 32.9493, 0.4000,
0.2996


 85.5506, 0.3762,
0.3079

 22.0876, 0.4124,
0.2951


 111.0377, 0.3709,
0.3098

 13.9213, 0.4288,
0.2892


141.1422, 0.3664,
0.3113

 8.0660, 0.4516,
0.2807

176.2484, 0.3626,
0.3126

 4.1372, 0.4850,
0.2680

216.7407, 0.3592,
0.3137

 1.7506, 0.5384,
0.2468

263.0036, 0.3563,

 0.4561, 0.6982,

0.3147

0.1990

315.4214, 0.3537,
0.3156

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.8908, 0.3903,
0.3030

46.8908, 0.3903,
0.3030

38.7695, 0.4208,
0.2971

56.9047, 0.3648,
0.3096

32.4143, 0.4562,
0.2928

68.9134, 0.3439,
0.3162

27.6940, 0.4952,
0.2911

83.0201, 0.3269,
0.3227

24.4560, 0.5350,
0.2929

99.3186, 0.3132,
0.3288

■ 22.5185, 0.5715,
0.2990

99.9978, 0.3127,
0.3290

■ 21.6042, 0.5998,
0.3078

Harmonies

Analogous

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



46.8908, 0.3343, 0.2664



46.8908, 0.3903, 0.3030



46.8908, 0.4243, 0.3470

Triad

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



46.8908, 0.3903, 0.3030



46.8908, 0.3408, 0.4340



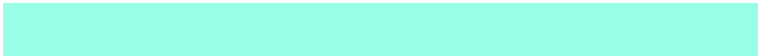
46.8908, 0.2113, 0.2552

Complementary

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



46.8908, 0.3903, 0.3030



83.9023, 0.2685, 0.3576

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.



46.8908, 0.2126, 0.2945



46.8908, 0.3903, 0.3030



46.8908, 0.2843, 0.4064

Square

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



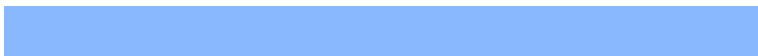
46.8908, 0.3903, 0.3030



46.8908, 0.3924, 0.4250



46.8908, 0.2380, 0.3513



46.8908, 0.2334, 0.2386

Rectangle

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



46.8908, 0.3903, 0.3030



46.8908, 0.4281, 0.3769



46.8908, 0.2380, 0.3513



46.8908, 0.2091, 0.2658

Sweetspot

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



46.8931, 0.3903, 0.3030



80.6029, 0.3294, 0.3217



46.3784, 0.2960, 0.2226



16.8415, 0.3315, 0.3208



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.



46.8931, 0.3903, 0.3030



40.5452, 0.4131, 0.2984



55.2695, 0.4047, 0.3563



18.0593, 0.3256, 0.3233



11.3093, 0.5958, 0.3056



1.1175, 0.5645, 0.2884

Inverse Universe

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



46.8931, 0.3903, 0.3030



40.5452, 0.4131, 0.2984



70.0700, 0.2523, 0.2992



18.0593, 0.3256, 0.3233



11.3093, 0.5958, 0.3056



1.1175, 0.5645, 0.2884

Previews

White Background



This preview shows how the Yxy color 46.8908, 0.3903, 0.3030 looks on a white background.

Color Contrast Check

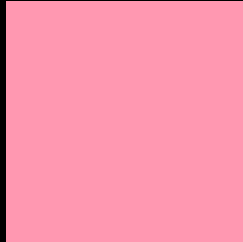
Large Text (above 18pt) WCAG AA × Fail

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 46.8908, 0.3903, 0.3030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

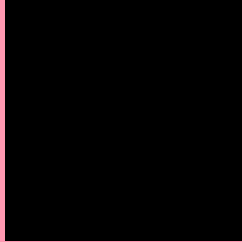
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8908, 0.3903, 0.3030

Background



This preview shows how black text looks on a background with the Yxy color 46.8908, 0.3903, 0.3030.



This preview shows how white text looks on a background with the Yxy color 46.8908, 0.3903, 0.3030.

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

46.8908, 0.3903, 0.3030

Protanopia

47.4182, 0.3042, 0.3137

Deuteranopia

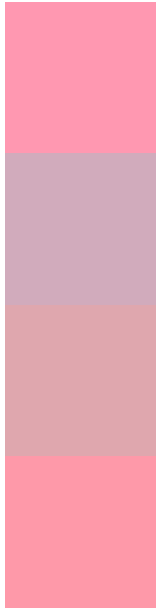
46.9052, 0.3404, 0.3328



Tritanopia

46.8986, 0.4011, 0.3176

Trichromacy



Original Color

46.8908, 0.3903, 0.3030

Protanomaly

46.3120, 0.3326, 0.3085

Deuteranomaly

46.3814, 0.3590, 0.3209

Tritanomaly

46.7179, 0.3973, 0.3124

Monochromacy



Original Color

46.8908, 0.3903, 0.3030

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.5399, 0.3383, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8908, 0.3903, 0.3030 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, 152, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 177)  
}
```

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, 152, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 177) }
```

Border

The CSS property to change the border of an element to Yxy 46.8908, 0.3903, 0.3030 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, 152, 177) }
```

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

```
.border{ border-color:rgb(255, 152, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 152, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 152, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 152, 177); box-shadow:4px 4px 4px 4px rgb(255, 152, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8908, 0.3903, 0.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 177) }
```

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

```
.background{ background-color: rgb(255,  
152, 177) }
```

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