

Converting Colors

$Y_{xy}(48.9769, 0.4061, 0.3074)$

Have a look what the booklet for
Yxy(48.9769, 0.4061, 0.3074)
contains.

Yxy(46.4103, 0.3948, 0.3061)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.4103, 0.3948, 0.3061)

Conversions

Conversions Part 1

Format	Color
Hex	FF97AD
RGB	255, 151, 173
RGB Percent	100%, 59%, 68%
CMY	0.0000, 0.4079, 0.3215
CMYK	0.00, 0.41, 0.32, 0.00
HSL	347°, 100%, 80%
HSV	347°, 41%, 100%
XYZ	59.8588, 46.4103, 45.3490
YIQ	184.6040, 54.9220, 28.8900

Conversions

Conversions Part 2

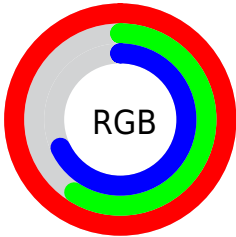
Format	Color
R _Y B	255, 151, 173
Decimal	16750509
CIE Lab	73.81, 41.47, 5.49
CIE LCh	74, 41.827, 7.538
Yxy	46.4103, 0.3948, 0.3061
Android (android.graphics.Color)	4294940589 (0xFFFF97AD)
YUV	184.6040, -5.7208, 61.7373
Hunter-Lab	68.1251, 37.6219, 8.2199

Details

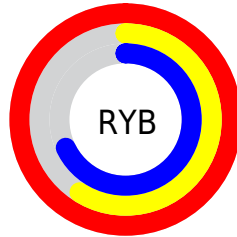
The Yxy color **46.4103, 0.3948, 0.3061** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **83.9793, 0.2666, 0.3541**, and the grayscale version is **48.2900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4871, 0.3341, 0.3079**, and **21.8516, 0.4182, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **38.3483, 0.4269, 0.3011**, and if you desaturate by 10%, it is **56.3578, 0.3679, 0.3118**.

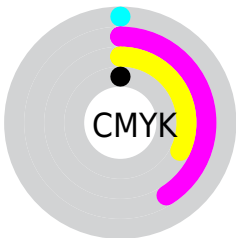
Distribution



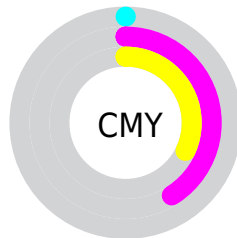
- Red (100%)
- Green (59%)
- Blue (68%)



- Red (100%)
- Yellow (59%)
- Blue (68%)



- Cyan (0%)
- Magenta (41%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (41%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4103, 0.3948, 0.3061 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 46.4103, 0.3948, 0.3061 by changing the saturation by 10% instead.


 46.4103, 0.3948,
0.3061


 46.4103, 0.3948,
0.3061


372.4557, 0.3535,
0.3181

 32.5697, 0.4051,
0.3029


 84.8327, 0.3798,
0.3106

 21.7970, 0.4183,
0.2988


 110.1833, 0.3742,
0.3122

 13.7078, 0.4359,
0.2932

140.1394, 0.3694,
0.3136

 7.9177, 0.4603,
0.2851

175.0854, 0.3653,
0.3148

 4.0424, 0.4961,
0.2727

215.4056, 0.3618,
0.3158

 1.6973, 0.5533,
0.2515

261.4845, 0.3587,

 0.4219, 0.7572,

0.3167

0.2058

313.7064, 0.3560,
0.3175

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.4103, 0.3948,
0.3061

46.4103, 0.3948,
0.3061

38.3483, 0.4269,
0.3011

56.3578, 0.3679,
0.3118

32.0606, 0.4642,
0.2975

68.3103, 0.3459,
0.3176

27.4090, 0.5049,
0.2964

82.3664, 0.3281,
0.3233

24.2393, 0.5459,
0.2987

98.6208, 0.3137,
0.3286

■ 22.3672, 0.5824,
0.3047

100.0000, 0.3127,
0.3290

■ 21.5265, 0.6085,
0.3126

Harmonies

Analogous

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



46.4103, 0.3393, 0.2683



46.4103, 0.3948, 0.3061



46.4103, 0.4266, 0.3507

Triad

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



46.4103, 0.3948, 0.3061



46.4103, 0.3364, 0.4342



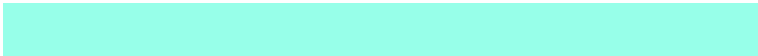
46.4103, 0.2114, 0.2524

Complementary

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



46.4103, 0.3948, 0.3061



83.9793, 0.2666, 0.3541

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.



46.4103, 0.2108, 0.2902



46.4103, 0.3948, 0.3061



46.4103, 0.2797, 0.4035

Square

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



46.4103, 0.3948, 0.3061



46.4103, 0.3895, 0.4277



46.4103, 0.2345, 0.3466



46.4103, 0.2355, 0.2375

Rectangle

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



46.4103, 0.3948, 0.3061



46.4103, 0.4285, 0.3807



46.4103, 0.2345, 0.3466



46.4103, 0.2085, 0.2624

Sweetspot

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



46.4071, 0.3948, 0.3061



80.5495, 0.3301, 0.3226



46.5827, 0.2986, 0.2224



16.8290, 0.3322, 0.3219



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.



46.4071, 0.3948, 0.3061



39.6565, 0.4208, 0.3019



56.3215, 0.4044, 0.3602



18.0500, 0.3261, 0.3240



11.2655, 0.6048, 0.3105



1.1120, 0.5745, 0.2939

Inverse Universe

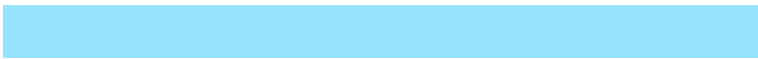
The Inverse Universe completely reimagines the original color for something new.



46.4071, 0.3948, 0.3061



39.6565, 0.4208, 0.3019



67.9354, 0.2511, 0.2948



18.0500, 0.3261, 0.3240



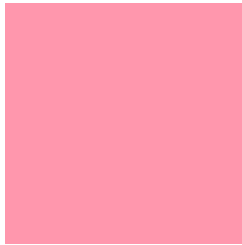
11.2655, 0.6048, 0.3105



1.1120, 0.5745, 0.2939

Previews

White Background



This preview shows how the Yxy color 46.4103, 0.3948, 0.3061 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 46.4103, 0.3948, 0.3061 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 46.4103, 0.3948, 0.3061

Background



This preview shows how black text looks on a background with the Yxy color 46.4103, 0.3948, 0.3061.



This preview shows how white text looks on a background with the Yxy color 46.4103, 0.3948, 0.3061.

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

46.4103, 0.3948, 0.3061

Protanopia

46.8327, 0.3073, 0.3174

Deuteranopia

46.3619, 0.3441, 0.3366



Tritanopia

46.5336, 0.4025, 0.3176

Trichromacy



Original Color

46.4103, 0.3948, 0.3061



Protanomaly

45.7655, 0.3363, 0.3120



Deuteranomaly

45.8627, 0.3631, 0.3244



Tritanomaly

46.3173, 0.3998, 0.3134

Monochromacy



Original Color

46.4103, 0.3948, 0.3061



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.9250, 0.3394, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4103, 0.3948, 0.3061 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, 151, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 173)  
}
```

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, 151, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 173) }
```

Border

The CSS property to change the border of an element to Yxy 46.4103, 0.3948, 0.3061 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, 151, 173) }
```

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

```
.border{ border-color:rgb(255, 151, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 151, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 151, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 151, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 151,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4103, 0.3948, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 173) }
```

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

```
.background{ background-color: rgb(255,  
151, 173) }
```

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