

Converting Colors

$Y_{xy}(46.8458, 0.3822, 0.2934)$

Have a look what the booklet for
Yxy(46.8458, 0.3822, 0.2934)
contains.

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Color

Yxy(46.8960, 0.3824, 0.2937)

Conversions

Conversions Part 1

Format	Color
Hex	FF97B9
RGB	255, 151, 185
RGB Percent	100%, 59%, 73%
CMY	0.0000, 0.4078, 0.2746
CMYK	0.00, 0.41, 0.27, 0.00
HSL	340°, 100%, 80%
HSV	340°, 41%, 100%
XYZ	61.0590, 46.8960, 51.7181
YIQ	185.9720, 51.0700, 32.6220

Conversions

Conversions Part 2

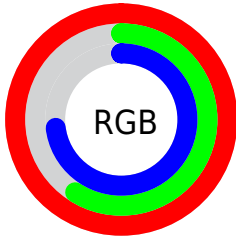
Format	Color
R_{YB}	255, 151, 185
Decimal	16750521
CIE _{Lab}	74.12, 42.96, -0.66
CIE _{LCh}	74, 42.970, 359.116
Yxy	46.8960, 0.3824, 0.2937
Android (android.graphics.Color)	4294940601 (0xFFFF97B9)
YUV	185.9720, -0.4792, 60.5376
Hunter-Lab	68.4807, 39.3138, 3.1593

Details

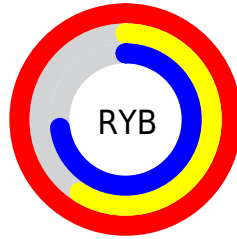
The Yxy color **46.8960, 0.3824, 0.2937** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.3177, 0.2723, 0.3684**, and the grayscale version is **49.0689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2365, 0.3247, 0.2953**, and **22.1371, 0.4018, 0.2842** is the 20% darker color. If you saturate the color by 10%, you get **38.8765, 0.4092, 0.2857**, and if you desaturate by 10%, it is **56.7824, 0.3599, 0.3025**.

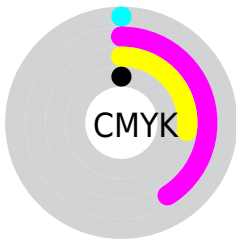
Distribution



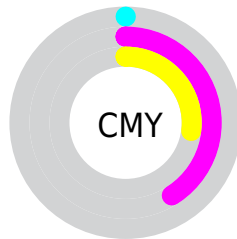
- Red (100%)
- Green (59%)
- Blue (73%)



- Red (100%)
- Yellow (59%)
- Blue (73%)



- Cyan (0%)
- Magenta (41%)
- Yellow (27%)
- Black (0%)




- Cyan (0%)
- Magenta (41%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8960, 0.3824, 0.2937 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 46.8960, 0.3824, 0.2937 by changing the saturation by 10% instead.

 46.8960, 0.3824,
0.2937


 46.8960, 0.3824,
0.2937


374.3993, 0.3477,
0.3112

 32.9534, 0.3910,
0.2894


 85.5584, 0.3698,
0.3000

 22.0908, 0.4020,
0.2839


 111.0470, 0.3651,
0.3024

 13.9236, 0.4165,
0.2766


141.1530, 0.3611,
0.3045

 8.0676, 0.4365,
0.2665

176.2610, 0.3577,
0.3062

 4.1382, 0.4659,
0.2519

216.7552, 0.3547,
0.3077

 1.7512, 0.5125,
0.2287

263.0200, 0.3521,

 0.4565, 0.6240,

0.3090

0.1717

315.4399, 0.3498,
0.3102

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.8960, 0.3824,
0.2937

46.8960, 0.3824,
0.2937

38.8765, 0.4092,
0.2857

56.7824, 0.3599,
0.3025

32.5985, 0.4402,
0.2794

68.6370, 0.3412,
0.3115

27.9317, 0.4745,
0.2762

82.5620, 0.3260,
0.3202

24.7243, 0.5101,
0.2771

98.6504, 0.3136,
0.3284

■ 22.7952, 0.5440,
0.2831

99.9984, 0.3127,
0.3290

■ 21.8873, 0.5715,
0.2922

Harmonies

Analogous

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



46.8960, 0.3225, 0.2585



46.8960, 0.3824, 0.2937



46.8960, 0.4236, 0.3379

Triad

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



46.8960, 0.3824, 0.2937



46.8960, 0.3531, 0.4386



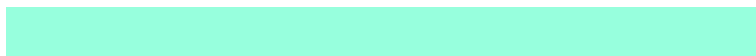
46.8960, 0.2066, 0.2591

Complementary

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



46.8960, 0.3824, 0.2937



83.3177, 0.2723, 0.3684

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.



46.8960, 0.2129, 0.3039



46.8960, 0.3824, 0.2937



46.8960, 0.2945, 0.4180

Square

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



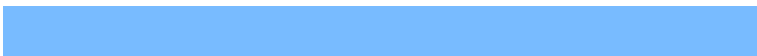
46.8960, 0.3824, 0.2937



46.8960, 0.4035, 0.4224



46.8960, 0.2437, 0.3645



46.8960, 0.2246, 0.2375

Rectangle

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



46.8960, 0.3824, 0.2937



46.8960, 0.4324, 0.3689



46.8960, 0.2437, 0.3645



46.8960, 0.2060, 0.2715

Sweetspot

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



46.8983, 0.3824, 0.2937



80.7498, 0.3277, 0.3191



44.6252, 0.2886, 0.2193



16.8759, 0.3296, 0.3180



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.



46.8983, 0.3824, 0.2937



40.1735, 0.4041, 0.2870



51.6260, 0.4099, 0.3475



18.0849, 0.3243, 0.3213



11.4617, 0.5672, 0.2898



1.1351, 0.5353, 0.2723

Inverse Universe

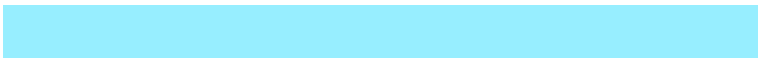
The Inverse Universe completely reimagines the original color for something new.



46.8983, 0.3824, 0.2937



40.1735, 0.4041, 0.2870



74.7529, 0.2534, 0.3091



18.0849, 0.3243, 0.3213



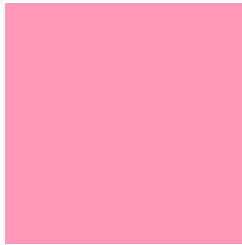
11.4617, 0.5672, 0.2898



1.1351, 0.5353, 0.2723

Previews

White Background



This preview shows how the Yxy color 46.8960, 0.3824, 0.2937 looks on a white background.

Color Contrast Check

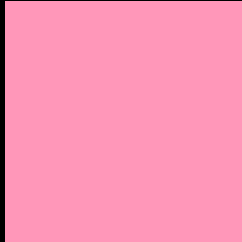
Large Text (above 18pt) WCAG AA × Fail

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 46.8960, 0.3824, 0.2937 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 46.8960, 0.3824, 0.2937

Background



This preview shows how black text looks on a background with the Yxy color 46.8960, 0.3824, 0.2937.



This preview shows how white text looks on a background with the Yxy color 46.8960, 0.3824, 0.2937.

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

46.8960, 0.3824, 0.2937

Protanopia

47.0628, 0.2950, 0.3010

Deuteranopia

47.1571, 0.3315, 0.3253



Tritanopia

46.7470, 0.3991, 0.3165

Trichromacy



Original Color

46.8960, 0.3824, 0.2937



Protanomaly

46.0004, 0.3240, 0.2977



Deuteranomaly

46.7548, 0.3495, 0.3126



Tritanomaly

46.8704, 0.3932, 0.3081

Monochromacy



Original Color

46.8960, 0.3824, 0.2937



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.2812, 0.3359, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8960, 0.3824, 0.2937 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 185) }
```

Border

The CSS property to change the border of an element to Yxy 46.8960, 0.3824, 0.2937 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, 185) }
```

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

```
.border{ border-color:rgb(255, 151, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 151, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 151, 185);  
box-shadow:4px 4px 4px 4px rgb(255, 151,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8960, 0.3824, 0.2937 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, 185) }
```

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

```
.background{ background-color: rgb(255,  
151, 185) }
```

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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