

Converting Colors

$Y_{xy}(46.7820, 0.3873, 0.3008)$

Have a look what the booklet for
Yxy(46.7820, 0.3873, 0.3008)
contains.

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Color

Yxy(46.7820, 0.3873, 0.3008)

Conversions

Conversions Part 1

Format	Color
Hex	FE98B3
RGB	254, 152, 179
RGB Percent	100%, 60%, 70%
CMY	0.0040, 0.4039, 0.2980
CMYK	0.00, 0.40, 0.30, 0.00
HSL	344°, 98%, 80%
HSV	344°, 40%, 100%
XYZ	60.2349, 46.7820, 48.5083
YIQ	185.5760, 52.1250, 30.0210

Conversions

Conversions Part 2

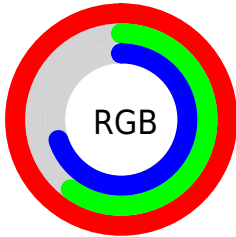
Format	Color
R _Y B	254, 152, 179
Decimal	16685235
CIE Lab	74.05, 41.33, 2.51
CIE LCh	74, 41.406, 3.473
Yxy	46.7820, 0.3873, 0.3008
Android (android.graphics.Color)	4294875315 (0xFFFE98B3)
YUV	185.5760, -3.2420, 60.0078
Hunter-Lab	68.3974, 37.5027, 5.8289

Details

The Yxy color **46.7820, 0.3873, 0.3008** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.0969, 0.2698, 0.3601**, and the grayscale version is **48.8522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3699, 0.3289, 0.3021**, and **22.0321, 0.4090, 0.2932** is the 20% darker color. If you saturate the color by 10%, you get **38.6976, 0.4167, 0.2943**, and if you desaturate by 10%, it is **56.7384, 0.3627, 0.3080**.

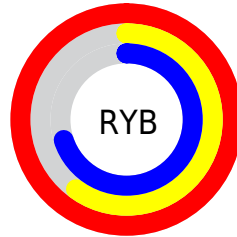
Distribution



Red (100%)

Green (60%)

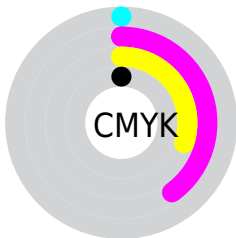
Blue (70%)



Red (100%)

Yellow (60%)

Blue (70%)

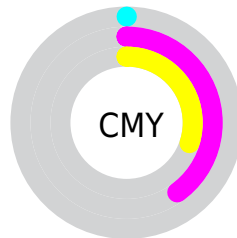


Cyan (0%)

Magenta (40%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7820, 0.3873, 0.3008 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 46.7820, 0.3873, 0.3008 by changing the saturation by 10% instead.


 46.7820, 0.3873,
0.3008

 46.7820, 0.3873,
0.3008


373.9437, 0.3500,
0.3151

 32.8634, 0.3966,
0.2972


 85.3881, 0.3737,
0.3061

 22.0218, 0.4085,
0.2925


 110.8444, 0.3687,
0.3080

 13.8729, 0.4243,
0.2862


140.9153, 0.3643,
0.3097

 8.0323, 0.4461,
0.2774

175.9853, 0.3607,
0.3111

 4.1156, 0.4782,
0.2643

216.4387, 0.3575,
0.3123

 1.7385, 0.5295,
0.2427

262.6600, 0.3546,

 0.4484, 0.6756,

0.3134

0.1911

315.0335, 0.3522,
0.3143

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.7820, 0.3873,
0.3008

46.7820, 0.3873,
0.3008

38.6976, 0.4167,
0.2943

56.7384, 0.3627,
0.3080

32.3605, 0.4508,
0.2894

68.6673, 0.3426,
0.3152

27.6418, 0.4885,
0.2872

82.6705, 0.3262,
0.3223

24.3913, 0.5273,
0.2887

98.8405, 0.3129,
0.3289

■ 22.4304, 0.5634,
0.2947

99.8082, 0.3121,
0.3290

■ 21.4764, 0.5929,
0.3040

Harmonies

Analogous

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



46.7820, 0.3309, 0.2649



46.7820, 0.3873, 0.3008



46.7820, 0.4228, 0.3445

Triad

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



46.7820, 0.3873, 0.3008



46.7820, 0.3439, 0.4340



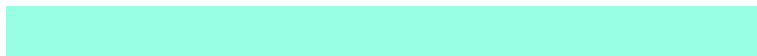
46.7820, 0.2110, 0.2571

Complementary

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



46.7820, 0.3873, 0.3008



83.0969, 0.2698, 0.3601

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.



46.7820, 0.2138, 0.2974



46.7820, 0.3873, 0.3008



46.7820, 0.2874, 0.4085

Square

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



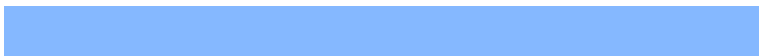
46.7820, 0.3873, 0.3008



46.7820, 0.3946, 0.4233



46.7820, 0.2404, 0.3545



46.7820, 0.2319, 0.2393

Rectangle

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



46.7820, 0.3873, 0.3008



46.7820, 0.4280, 0.3743



46.7820, 0.2404, 0.3545



46.7820, 0.2093, 0.2681

Sweetspot

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



46.7843, 0.3873, 0.3008



80.6413, 0.3290, 0.3210



45.9131, 0.2947, 0.2228



16.8505, 0.3310, 0.3201



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.



46.7843, 0.3873, 0.3008



40.6426, 0.4100, 0.2956



54.3108, 0.4047, 0.3544



18.0660, 0.3252, 0.3227



11.3446, 0.5889, 0.3018



1.1217, 0.5571, 0.2843

Inverse Universe

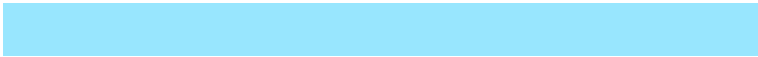
The Inverse Universe completely reimagines the original color for something new.



46.7843, 0.3873, 0.3008



40.6426, 0.4100, 0.2956



70.5324, 0.2530, 0.3015



18.0660, 0.3252, 0.3227



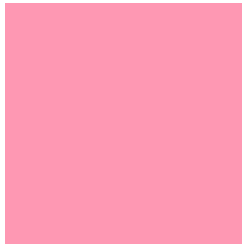
11.3446, 0.5889, 0.3018



1.1217, 0.5571, 0.2843

Previews

White Background



This preview shows how the Yxy color 46.7820, 0.3873, 0.3008 looks on a white background.

Color Contrast Check

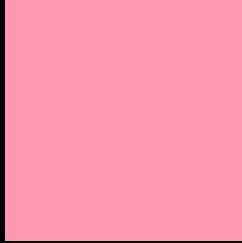
Large Text (above 18pt) WCAG AA × Fail

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 46.7820, 0.3873, 0.3008 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 46.7820, 0.3873, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 46.7820, 0.3873, 0.3008.



This preview shows how white text looks on a background with the Yxy color 46.7820, 0.3873, 0.3008.

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

46.7820, 0.3873, 0.3008

Protanopia

46.9784, 0.3019, 0.3098

Deuteranopia

46.8423, 0.3377, 0.3303



Tritanopia

46.7470, 0.3991, 0.3165

Trichromacy



Original Color

46.7820, 0.3873, 0.3008



Protanomaly

45.8771, 0.3301, 0.3048



Deuteranomaly

46.3016, 0.3562, 0.3185



Tritanomaly

46.6054, 0.3943, 0.3102

Monochromacy



Original Color

46.7820, 0.3873, 0.3008



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 46.7820, 0.3873, 0.3008 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(254, 152, 179)` looks like.

```
.text, #text, p{  
    color:rgb(254, 152, 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(254, 152, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 152, 179) }
```

Border

The CSS property to change the border of an element to Yxy 46.7820, 0.3873, 0.3008 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(254, 152, 179) }
```

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

```
.border{ border-color:rgb(254, 152, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 152, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 152, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 152, 179);  
box-shadow:4px 4px 4px 4px rgb(254, 152,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7820, 0.3873, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 152, 179) }
```

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

```
.background{ background-color: rgb(254,  
152, 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](#).

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