

Converting Colors

$Y_{xy}(42.4135, 0.3854, 0.2775)$

Have a look what the booklet for
Yxy(42.4135, 0.3854, 0.2775)
contains.

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Color

Yxy(42.4135, 0.3854, 0.2775)

Conversions

Conversions Part 1

Format	Color
Hex	FF88BA
RGB	255, 136, 186
RGB Percent	100%, 53%, 73%
CMY	0.0000, 0.4666, 0.2707
CMYK	0.00, 0.47, 0.27, 0.00
HSL	335°, 100%, 77%
HSV	335°, 47%, 100%
XYZ	58.9051, 42.4135, 51.5228
YIQ	177.2810, 54.8740, 40.7780

Conversions

Conversions Part 2

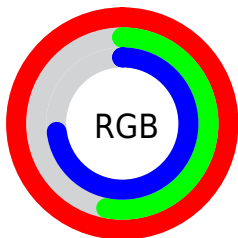
Format	Color
R_{YB}	255, 136, 186
Decimal	16746682
CIE _{Lab}	71.16, 50.62, -5.58
CIE _{LCh}	71, 50.932, 353.706
Yxy	42.4135, 0.3854, 0.2775
Android (android.graphics.Color)	4294936762 (0xFFFF88BA)
YUV	177.2810, 4.2985, 68.1596
Hunter-Lab	65.1256, 47.4805, -1.3181

Details

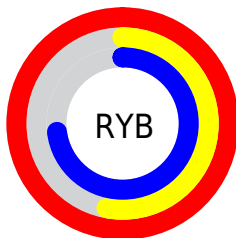
The Yxy color $42.4135, 0.3854, 0.2775$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $81.1645, 0.2730, 0.3892$, and the grayscale version is $44.0783, 0.3127, 0.3290$.

A 20% lighter version of the original color is $65.3701, 0.3251, 0.2792$, and $19.4638, 0.4065, 0.2636$ is the 20% darker color. If you saturate the color by 10%, you get $35.4697, 0.4099, 0.2681$, and if you desaturate by 10%, it is $51.1347, 0.3643, 0.2884$.

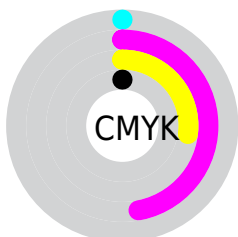
Distribution



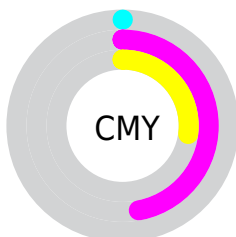
- Red (100%)
- Green (53%)
- Blue (73%)



- Red (100%)
- Yellow (53%)
- Blue (73%)



- Cyan (0%)
- Magenta (47%)
- Yellow (27%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4135, 0.3854, 0.2775 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 42.4135, 0.3854, 0.2775 by changing the saturation by 10% instead.


 42.4135, 0.3854,
0.2775

 42.4135, 0.3854,
0.2775


356.1942, 0.3490,
0.3029


 29.4252, 0.3945,
0.2713


 78.8251, 0.3722,
0.2866

 19.4027, 0.4061,
0.2635


 103.0171, 0.3672,
0.2901

 11.9616, 0.4216,
0.2532


 131.7125, 0.3630,
0.2930

 6.7176, 0.4430,
0.2392

165.2958, 0.3594,
0.2955

 3.2861, 0.4746,
0.2190

204.1511, 0.3563,
0.2977

 1.2829, 0.5251,
0.1879

248.6631, 0.3535,

 0.1279, 0.6909,

0.2996

0.0601

299.2160, 0.3511,
0.3013

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

42.4135, 0.3854,
0.2775

42.4135, 0.3854,
0.2775

35.4697, 0.4099,
0.2681

51.1347, 0.3643,
0.2884

30.1723, 0.4375,
0.2613

61.7403, 0.3465,
0.2998

26.3817, 0.4671,
0.2584

74.3357, 0.3317,
0.3112

23.9320, 0.4971,
0.2607

89.0166, 0.3196,
0.3221

■ 22.6150, 0.5254,
0.2685

100.0000, 0.3127,
0.3290

■ 22.3232, 0.5344,
0.2717

Harmonies

Analogous

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



42.4135, 0.3102, 0.2391



42.4135, 0.3854, 0.2775



42.4135, 0.4424, 0.3277

Triad

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



42.4135, 0.3854, 0.2775



42.4135, 0.3718, 0.4628



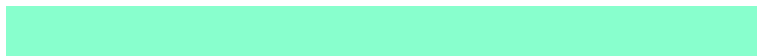
42.4135, 0.1855, 0.2508

Complementary

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



42.4135, 0.3854, 0.2775



81.1645, 0.2730, 0.3892

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.



42.4135, 0.1974, 0.3090



42.4135, 0.3854, 0.2775



42.4135, 0.3015, 0.4489

Square

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



42.4135, 0.3854, 0.2775



42.4135, 0.4299, 0.4327



42.4135, 0.2379, 0.3865



42.4135, 0.2015, 0.2217

Rectangle

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



42.4135, 0.3854, 0.2775



42.4135, 0.4580, 0.3640



42.4135, 0.2379, 0.3865



42.4135, 0.1863, 0.2671

Sweetspot

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



42.4155, 0.3854, 0.2775



78.0370, 0.3283, 0.3142



37.5894, 0.2740, 0.1996



16.0587, 0.3311, 0.3118



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.



42.4155, 0.3854, 0.2775



35.8774, 0.4082, 0.2686



42.9672, 0.4372, 0.3376



18.1136, 0.3228, 0.3191



11.6926, 0.5302, 0.2694



1.1597, 0.5008, 0.2533

Inverse Universe

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



42.4155, 0.3854, 0.2775



35.8774, 0.4082, 0.2686



79.0179, 0.2488, 0.3198



18.1136, 0.3228, 0.3191



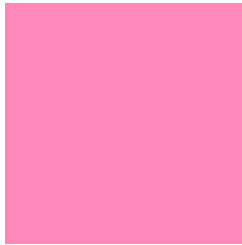
11.6926, 0.5302, 0.2694



1.1597, 0.5008, 0.2533

Previews

White Background



This preview shows how the Yxy color 42.4135, 0.3854, 0.2775 looks on a white background.

Color Contrast Check

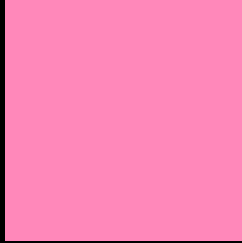
Large Text (above 18pt) WCAG AA × Fail

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 42.4135, 0.3854, 0.2775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

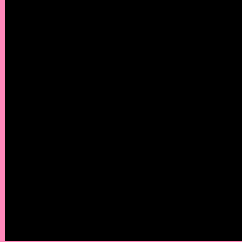
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4135, 0.3854, 0.2775

Background



This preview shows how black text looks on a background with the Yxy color 42.4135, 0.3854, 0.2775.



This preview shows how white text looks on a background with the Yxy color 42.4135, 0.3854, 0.2775.

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

42.4135, 0.3854, 0.2775

Protanopia

42.7558, 0.2792, 0.2808

Deuteranopia

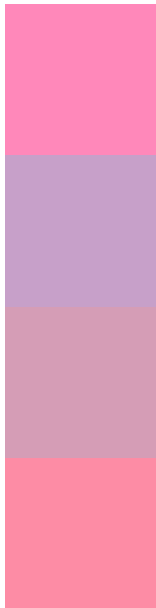
42.4900, 0.3216, 0.3148



Tritanopia

42.3414, 0.4169, 0.3177

Trichromacy



Original Color

42.4135, 0.3854, 0.2775

Protanomaly

41.5008, 0.3132, 0.2786

Deuteranomaly

41.6375, 0.3440, 0.2988

Tritanomaly

42.3554, 0.4054, 0.3029

Monochromacy



Original Color

42.4135, 0.3854, 0.2775

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

42.1151, 0.3374, 0.3067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4135, 0.3854, 0.2775 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, 136, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 186)  
}
```

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, 136, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 186) }
```

Border

The CSS property to change the border of an element to Yxy 42.4135, 0.3854, 0.2775 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, 136, 186) }
```

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

```
.border{ border-color:rgb(255, 136, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 136, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4135, 0.3854, 0.2775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 186) }
```

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

```
.background{ background-color: rgb(255,  
136, 186) }
```

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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