

Converting Colors

$Y_{xy}(48.2984, 0.3684, 0.2827)$

Have a look what the booklet for
Yxy(48.2984, 0.3684, 0.2827)
contains.

Yxy(48.4484, 0.3686, 0.2835)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.4484, 0.3686, 0.2835)

Conversions

Conversions Part 1

Format	Color
Hex	FF9AC6
RGB	255, 154, 198
RGB Percent	100%, 60%, 78%
CMY	0.0000, 0.3961, 0.2235
CMYK	0.00, 0.40, 0.22, 0.00
HSL	334°, 100%, 80%
HSV	334°, 40%, 100%
XYZ	62.9915, 48.4484, 59.4540
YIQ	189.2150, 46.0720, 35.0960

Conversions

Conversions Part 2

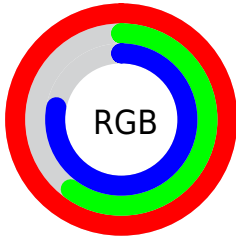
Format	Color
R _Y B	255, 154, 198
Decimal	16751302
CIE Lab	75.11, 43.23, -6.39
CIE LCh	75, 43.699, 351.593
Yxy	48.4484, 0.3686, 0.2835
Android (android.graphics.Color)	4294941382 (0xFFFF9AC6)
YUV	189.2150, 4.3310, 57.6934
Hunter-Lab	69.6049, 39.7315, -1.9199

Details

The Yxy color **48.4484, 0.3686, 0.2835** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.0935, 0.2786, 0.3805**, and the grayscale version is **50.9721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5732, 0.3148, 0.2851**, and **23.0567, 0.3834, 0.2724** is the 20% darker color. If you saturate the color by 10%, you get **40.2732, 0.3900, 0.2725**, and if you desaturate by 10%, it is **58.4741, 0.3504, 0.2953**.

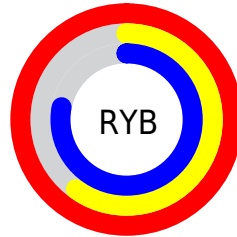
Distribution



Red (100%)

Green (60%)

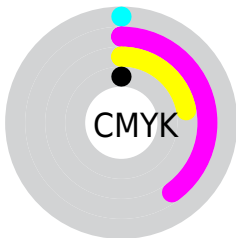
Blue (78%)



Red (100%)

Yellow (60%)

Blue (78%)

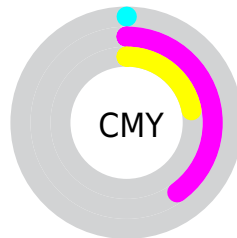


Cyan (0%)

Magenta (40%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4484, 0.3686, 0.2835 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 48.4484, 0.3686, 0.2835 by changing the saturation by 10% instead.


 48.4484, 0.3686,
0.2835

 48.4484, 0.3686,
0.2835


380.5667, 0.3412,
0.3054

 34.1821, 0.3753,
0.2783


 87.8717, 0.3588,
0.2913

 23.0335, 0.3837,
0.2717


 113.7974, 0.3551,
0.2942

 14.6183, 0.3947,
0.2633


144.3785, 0.3519,
0.2968

 8.5519, 0.4098,
0.2519

179.9992, 0.3492,
0.2990

 4.4501, 0.4315,
0.2358

221.0440, 0.3468,
0.3009

 1.9284, 0.4653,
0.2117

267.8972, 0.3447,

 0.5654, 0.5298,

0.3026

0.1630

320.9434, 0.3429,
0.3041

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.4484, 0.3686,
0.2835

48.4484, 0.3686,
0.2835

40.2732, 0.3900,
0.2725

58.4741, 0.3504,
0.2953

33.8330, 0.4147,
0.2634

70.4566, 0.3352,
0.3071

28.9985, 0.4420,
0.2572

84.4936, 0.3227,
0.3186

25.6220, 0.4710,
0.2555

100.0000, 0.3127,
0.3290

■ 23.5284, 0.4998,
0.2591

■ 22.4436, 0.5267,
0.2677

■ 22.4094, 0.5278,
0.2681

Harmonies

Analogous

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



48.4484, 0.3070, 0.2514



48.4484, 0.3686, 0.2835



48.4484, 0.4167, 0.3263

Triad

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



48.4484, 0.3686, 0.2835



48.4484, 0.3674, 0.4382



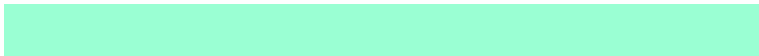
48.4484, 0.2053, 0.2678

Complementary

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



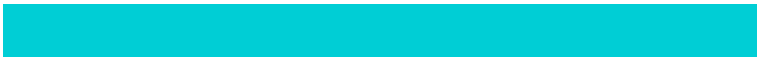
48.4484, 0.3686, 0.2835



83.0935, 0.2786, 0.3805

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.



48.4484, 0.2179, 0.3181



48.4484, 0.3686, 0.2835



48.4484, 0.3090, 0.4275

Square

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



48.4484, 0.3686, 0.2835



48.4484, 0.4136, 0.4146



48.4484, 0.2546, 0.3801



48.4484, 0.2174, 0.2402

Rectangle

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



48.4484, 0.3686, 0.2835



48.4484, 0.4317, 0.3574



48.4484, 0.2546, 0.3801



48.4484, 0.2067, 0.2823

Sweetspot

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



48.4483, 0.3686, 0.2835



80.9437, 0.3255, 0.3159



43.9670, 0.2801, 0.2197



16.9214, 0.3270, 0.3144



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.



48.4483, 0.3686, 0.2835



41.4674, 0.3864, 0.2742



48.4066, 0.4111, 0.3346



18.1185, 0.3225, 0.3187



11.7381, 0.5237, 0.2659



1.1644, 0.4950, 0.2500

Inverse Universe

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



48.4483, 0.3686, 0.2835



41.4674, 0.3864, 0.2742



82.4302, 0.2570, 0.3232



18.1185, 0.3225, 0.3187



11.7381, 0.5237, 0.2659



1.1644, 0.4950, 0.2500

Previews

White Background



This preview shows how the Yxy color 48.4484, 0.3686, 0.2835 looks on a white background.

Color Contrast Check

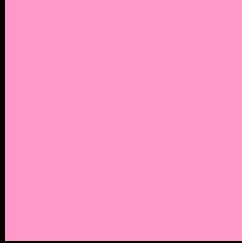
Large Text (above 18pt) WCAG AA × Fail

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 48.4484, 0.3686, 0.2835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

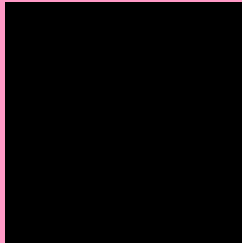
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4484, 0.3686, 0.2835

Background



This preview shows how black text looks on a background with the Yxy color 48.4484, 0.3686, 0.2835.



This preview shows how white text looks on a background with the Yxy color 48.4484, 0.3686, 0.2835.

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

48.4484, 0.3686, 0.2835

Protanopia

48.8744, 0.2844, 0.2881

Deuteranopia

48.7721, 0.3195, 0.3131



Tritanopia

48.4320, 0.3913, 0.3165

Trichromacy



Original Color

48.4484, 0.3686, 0.2835



Protanomaly

47.8057, 0.3122, 0.2853



Deuteranomaly

48.2816, 0.3364, 0.3012



Tritanomaly

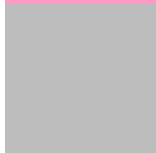
48.3328, 0.3829, 0.3038

Monochromacy



Original Color

48.4484, 0.3686, 0.2835



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

49.0026, 0.3321, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4484, 0.3686, 0.2835 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, 154, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 198)  
}
```

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, 154, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 198) }
```

Border

The CSS property to change the border of an element to Yxy 48.4484, 0.3686, 0.2835 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, 154, 198) }
```

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

```
.border{ border-color:rgb(255, 154, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 154, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4484, 0.3686, 0.2835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 198) }
```

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

```
.background{ background-color: rgb(255,  
154, 198) }
```

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