

Converting Colors

$Y_{xy}(48.0532, 0.3702, 0.2839)$

Have a look what the booklet for
Yxy(48.0532, 0.3702, 0.2839)
contains.

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Color

Yxy(48.0737, 0.3698, 0.2835)

Conversions

Conversions Part 1

Format	Color
Hex	FF99C5
RGB	255, 153, 197
RGB Percent	100%, 60%, 77%
CMY	0.0000, 0.4000, 0.2275
CMYK	0.00, 0.40, 0.23, 0.00
HSL	334°, 100%, 80%
HSV	334°, 40%, 100%
XYZ	62.7078, 48.0737, 58.7907
YIQ	188.5140, 46.6680, 35.3080

Conversions

Conversions Part 2

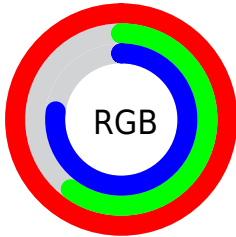
Format	Color
R _Y B	255, 153, 197
Decimal	16751045
CIE Lab	74.87, 43.59, -6.18
CIE LCh	75, 44.025, 351.925
Yxy	48.0737, 0.3698, 0.2835
Android (android.graphics.Color)	4294941125 (0xFFFF99C5)
YUV	188.5140, 4.1836, 58.3082
Hunter-Lab	69.3352, 40.1014, -1.7385

Details

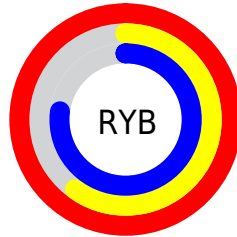
The Yxy color **48.0737, 0.3698, 0.2835** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.9965, 0.2781, 0.3805**, and the grayscale version is **50.5543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0167, 0.3155, 0.2850**, and **22.8333, 0.3852, 0.2725** is the 20% darker color. If you saturate the color by 10%, you get **39.9679, 0.3916, 0.2727**, and if you desaturate by 10%, it is **58.0315, 0.3513, 0.2951**.

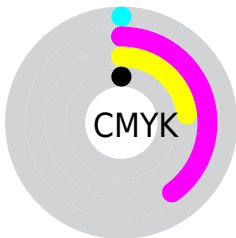
Distribution



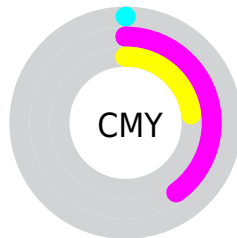
- Red (100%)
- Green (60%)
- Blue (77%)



- Red (100%)
- Yellow (60%)
- Blue (77%)



- Cyan (0%)
- Magenta (40%)
- Yellow (23%)
- Black (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0737, 0.3698, 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 48.0737, 0.3698, 0.2835 by changing the saturation by 10% instead.


 48.0737, 0.3698,
0.2835

 48.0737, 0.3698,
0.2835


379.0842, 0.3418,
0.3054

 33.8853, 0.3766,
0.2783


 87.3141, 0.3597,
0.2913

 22.8055, 0.3853,
0.2717

 113.1349, 0.3559,
0.2943

 14.4499, 0.3966,
0.2632


143.6019, 0.3527,
0.2968

 8.4343, 0.4121,
0.2517

179.0995, 0.3499,
0.2990

 4.3741, 0.4345,
0.2355

220.0122, 0.3475,
0.3009

 1.8849, 0.4694,
0.2111

266.7242, 0.3454,

 0.5393, 0.5373,

0.3026

0.1600

319.6201, 0.3435,
0.3041

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.0737, 0.3698,
0.2835

48.0737, 0.3698,
0.2835

39.9679, 0.3916,
0.2727

58.0315, 0.3513,
0.2951

33.5909, 0.4166,
0.2637

69.9406, 0.3359,
0.3069

28.8149, 0.4443,
0.2578

83.9015, 0.3232,
0.3182

25.4916, 0.4735,
0.2564

99.9998, 0.3127,
0.3290

■ 23.4442, 0.5025,
0.2603

■ 22.3851, 0.5296,
0.2691

■ 22.3847, 0.5296,
0.2691

Harmonies

Analogous

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



48.0737, 0.3076, 0.2510



48.0737, 0.3698, 0.2835



48.0737, 0.4182, 0.3267

Triad

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



48.0737, 0.3698, 0.2835



48.0737, 0.3672, 0.4394



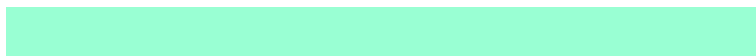
48.0737, 0.2044, 0.2667

Complementary

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



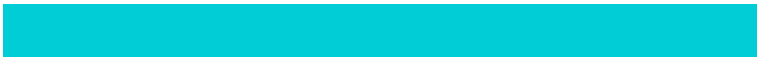
48.0737, 0.3698, 0.2835



82.9965, 0.2781, 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.



48.0737, 0.2167, 0.3173



48.0737, 0.3698, 0.2835



48.0737, 0.3083, 0.4283

Square

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



48.0737, 0.3698, 0.2835



48.0737, 0.4141, 0.4157



48.0737, 0.2535, 0.3799



48.0737, 0.2168, 0.2392

Rectangle

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



48.0737, 0.3698, 0.2835



48.0737, 0.4330, 0.3580



48.0737, 0.2535, 0.3799



48.0737, 0.2057, 0.2812

Sweetspot

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



48.0760, 0.3698, 0.2835



80.9359, 0.3255, 0.3160



43.8253, 0.2810, 0.2189



16.9195, 0.3271, 0.3145



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.



48.0760, 0.3698, 0.2835



41.4447, 0.3869, 0.2747



48.6352, 0.4118, 0.3365



18.1171, 0.3226, 0.3188



11.7252, 0.5255, 0.2669



1.1630, 0.4966, 0.2509

Inverse Universe

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



48.0760, 0.3698, 0.2835



41.4447, 0.3869, 0.2747



81.2506, 0.2563, 0.3212



18.1171, 0.3226, 0.3188



11.7252, 0.5255, 0.2669



1.1630, 0.4966, 0.2509

Previews

White Background



This preview shows how the Yxy color 48.0737, 0.3698, 0.2835 looks on a white background.

Color Contrast Check

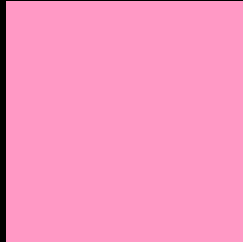
Large Text (above 18pt) WCAG AA × Fail

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 48.0737, 0.3698, 0.2835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

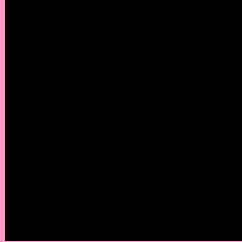
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0737, 0.3698, 0.2835

Background



This preview shows how black text looks on a background with the Yxy color 48.0737, 0.3698, 0.2835.



This preview shows how white text looks on a background with the Yxy color 48.0737, 0.3698, 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

48.0737, 0.3698, 0.2835

Protanopia

48.2898, 0.2843, 0.2879

Deuteranopia

48.1881, 0.3195, 0.3130



Tritanopia

48.0514, 0.3927, 0.3165

Trichromacy



Original Color

48.0737, 0.3698, 0.2835



Protanomaly

47.2303, 0.3122, 0.2851



Deuteranomaly

47.7046, 0.3365, 0.3010



Tritanomaly

47.9549, 0.3842, 0.3038

Monochromacy



Original Color

48.0737, 0.3698, 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 48.0737, 0.3698, 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, 153, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 197)  
}
```

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, 153, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 197) }
```

Border

The CSS property to change the border of an element to Yxy 48.0737, 0.3698, 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, 153, 197) }
```

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

```
.border{ border-color:rgb(255, 153, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0737, 0.3698, 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, 153, 197) }
```

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

```
.background{ background-color: rgb(255,  
153, 197) }
```

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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