

Converting Colors

$Yxy(48.0834, 0.3832, 0.3104)$

Have a look what the booklet for
Yxy(48.0834, 0.3832, 0.3104)
contains.

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Color

Yxy(48.0706, 0.3836, 0.3109)

Conversions

Conversions Part 1

Format	Color
Hex	F99FB0
RGB	249, 159, 176
RGB Percent	98%, 62%, 69%
CMY	0.0234, 0.3765, 0.3097
CMYK	0.00, 0.36, 0.29, 0.02
HSL	349°, 88%, 80%
HSV	349°, 36%, 98%
XYZ	59.3113, 48.0706, 47.2357
YIQ	187.8480, 48.1830, 24.3670

Conversions

Conversions Part 2

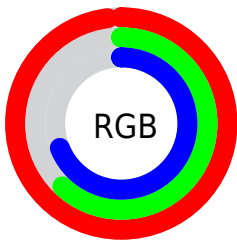
Format	Color
R _Y B	249, 159, 176
Decimal	16359344
CIE Lab	74.87, 35.59, 5.27
CIE LCh	75, 35.980, 8.421
Yxy	48.0706, 0.3836, 0.3109
Android (android.graphics.Color)	4294549424 (0xFFFF99FB0)
YUV	187.8480, -5.8411, 53.6303
Hunter-Lab	69.3330, 31.3662, 8.1396

Details

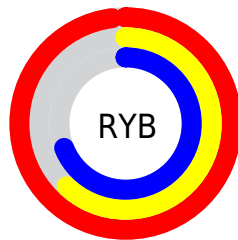
The Yxy color **48.0706, 0.3836, 0.3109** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **80.9671, 0.2700, 0.3484**, and the grayscale version is **50.2135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6871, 0.3303, 0.3121**, and **22.8397, 0.4037, 0.3045** is the 20% darker color. If you saturate the color by 10%, you get **39.6135, 0.4142, 0.3061**, and if you desaturate by 10%, it is **58.3764, 0.3584, 0.3161**.

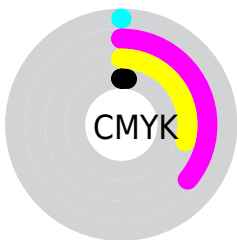
Distribution



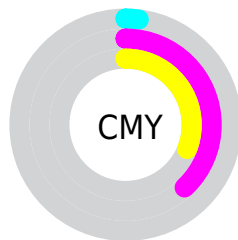
- Red (98%)
- Green (62%)
- Blue (69%)



- Red (98%)
- Yellow (62%)
- Blue (69%)



- Cyan (0%)
- Magenta (36%)
- Yellow (29%)
- Black (2%)




- Cyan (2%)
- Magenta (38%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0706, 0.3836, 0.3109 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 48.0706, 0.3836, 0.3109 by changing the saturation by 10% instead.


 48.0706, 0.3836,
0.3109

 48.0706, 0.3836,
0.3109


379.0719, 0.3482,
0.3204

 33.8828, 0.3924,
0.3084


 87.3095, 0.3707,
0.3144

 22.8036, 0.4037,
0.3052


 113.1294, 0.3659,
0.3157

 14.4485, 0.4187,
0.3007


143.5955, 0.3618,
0.3168

 8.4333, 0.4394,
0.2944

179.0921, 0.3583,
0.3178

 4.3734, 0.4699,
0.2846

220.0036, 0.3553,
0.3185

 1.8846, 0.5186,
0.2680

266.7145, 0.3526,

 0.5391, 0.6651,

0.3192

0.2383

319.6091, 0.3502,
0.3198

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.0706, 0.3836,
0.3109

48.0706, 0.3836,
0.3109

39.6135, 0.4142,
0.3061

58.3764, 0.3584,
0.3161

32.8887, 0.4502,
0.3023

70.6243, 0.3378,
0.3212

27.7774, 0.4908,
0.3003

84.9099, 0.3213,
0.3261

24.1429, 0.5331,
0.3011

98.8856, 0.3090,
0.3290

■ 21.8255, 0.5727,
0.3053

■ 20.6278, 0.6043,
0.3127

■ 20.3517, 0.6140,
0.3156

Harmonies

Analogous

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



48.0706, 0.3372, 0.2775



48.0706, 0.3836, 0.3109



48.0706, 0.4098, 0.3500

Triad

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



48.0706, 0.3836, 0.3109



48.0706, 0.3324, 0.4171



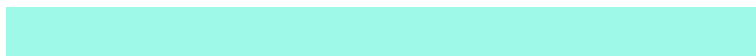
48.0706, 0.2254, 0.2629

Complementary

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



48.0706, 0.3836, 0.3109



80.9671, 0.2700, 0.3484

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.



48.0706, 0.2245, 0.2955



48.0706, 0.3836, 0.3109



48.0706, 0.2837, 0.3902

Square

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



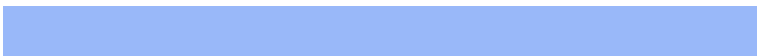
48.0706, 0.3836, 0.3109



48.0706, 0.3779, 0.4140



48.0706, 0.2449, 0.3429



48.0706, 0.2472, 0.2499

Rectangle

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



48.0706, 0.3836, 0.3109



48.0706, 0.4113, 0.3758



48.0706, 0.2449, 0.3429



48.0706, 0.2227, 0.2717

Sweetspot

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



48.0729, 0.3836, 0.3109



82.0115, 0.3289, 0.3238



48.6263, 0.3020, 0.2351



17.1193, 0.3311, 0.3231



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.



48.0729, 0.3836, 0.3109



44.3744, 0.4041, 0.3075



57.7666, 0.3899, 0.3582



17.2788, 0.3264, 0.3245



10.9060, 0.6106, 0.3137



1.0240, 0.5797, 0.2967

Inverse Universe

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



48.0729, 0.3836, 0.3109



44.3744, 0.4041, 0.3075



66.4637, 0.2575, 0.2975



17.2788, 0.3264, 0.3245



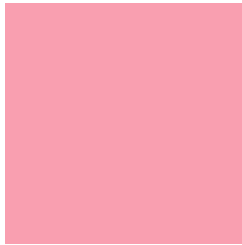
10.9060, 0.6106, 0.3137



1.0240, 0.5797, 0.2967

Previews

White Background



This preview shows how the Yxy color 48.0706, 0.3836, 0.3109 looks on a white background.

Color Contrast Check

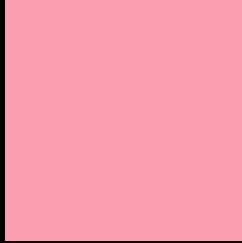
Large Text (above 18pt) WCAG AA × Fail

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 48.0706, 0.3836, 0.3109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

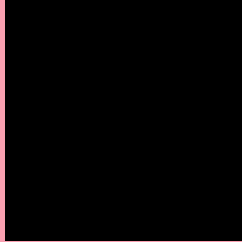
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0706, 0.3836, 0.3109

Background



This preview shows how black text looks on a background with the Yxy color 48.0706, 0.3836, 0.3109.



This preview shows how white text looks on a background with the Yxy color 48.0706, 0.3836, 0.3109.

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

48.0706, 0.3836, 0.3109

Protanopia

48.4378, 0.3097, 0.3214

Deuteranopia

48.1233, 0.3427, 0.3352



Tritanopia

48.2599, 0.3872, 0.3163

Trichromacy



Original Color

48.0706, 0.3836, 0.3109

Protanomaly

47.7180, 0.3346, 0.3170

Deuteranomaly

47.7114, 0.3571, 0.3256

Tritanomaly

48.2985, 0.3863, 0.3152

Monochromacy



Original Color

48.0706, 0.3836, 0.3109

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

48.6066, 0.3361, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0706, 0.3836, 0.3109 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(249, 159, 176)` looks like.

```
.text, #text, p{  
    color:rgb(249, 159, 176)  
}
```

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(249, 159, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 159, 176) }
```

Border

The CSS property to change the border of an element to Yxy 48.0706, 0.3836, 0.3109 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(249, 159, 176) }
```

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

```
.border{ border-color:rgb(249, 159, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 159, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 159, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 159, 176); box-shadow:4px 4px 4px 4px rgb(249, 159, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0706, 0.3836, 0.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 159, 176) }
```

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

```
.background{ background-color: rgb(249,  
159, 176) }
```

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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