

Converting Colors

$Y_{xy}(48.8709, 0.3806, 0.3154)$

Have a look what the booklet for
Yxy(48.8709, 0.3806, 0.3154)
contains.

Yxy(48.8824, 0.3806, 0.3162)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.8824, 0.3806, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	F6A3AF
RGB	246, 163, 175
RGB Percent	96%, 64%, 69%
CMY	0.0353, 0.3607, 0.3139
CMYK	0.00, 0.34, 0.29, 0.04
HSL	351°, 82%, 80%
HSV	351°, 34%, 96%
XYZ	58.8382, 48.8824, 46.8727
YIQ	189.1850, 45.6160, 21.3280

Conversions

Conversions Part 2

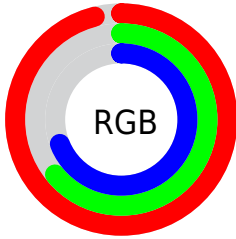
Format	Color
R _Y B	246, 163, 175
Decimal	16163759
CIE Lab	75.38, 32.26, 6.53
CIE LCh	75, 32.916, 11.451
Yxy	48.8824, 0.3806, 0.3162
Android (android.graphics.Color)	4294353839 (0xFF6A3AF)
YUV	189.1850, -6.9932, 49.8268
Hunter-Lab	69.9159, 27.8649, 9.1923

Details

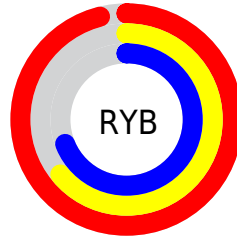
The Yxy color **48.8824, 0.3806, 0.3162** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **79.6425, 0.2706, 0.3426**, and the grayscale version is **51.0220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6362, 0.3313, 0.3181**, and **23.2733, 0.3995, 0.3111** is the 20% darker color. If you saturate the color by 10%, you get **40.2179, 0.4116, 0.3125**, and if you desaturate by 10%, it is **59.3796, 0.3551, 0.3201**.

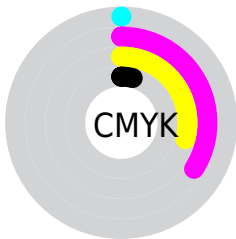
Distribution



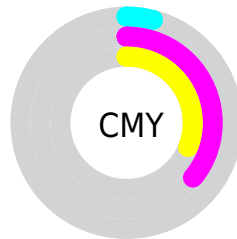
- Red (96%)
- Green (64%)
- Blue (69%)



- Red (96%)
- Yellow (64%)
- Blue (69%)



- Cyan (0%)
- Magenta (34%)
- Yellow (29%)
- Black (4%)





- Cyan (4%)
- Magenta (36%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8824, 0.3806, 0.3162 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 48.8824, 0.3806, 0.3162 by changing the saturation by 10% instead.


 48.8824, 0.3806,
0.3162


 48.8824, 0.3806,
0.3162


382.2792, 0.3467,
0.3231

 34.5262, 0.3890,
0.3143

 88.5168, 0.3683,
0.3188

 23.2981, 0.3998,
0.3119


 114.5637, 0.3637,
0.3198

 14.8138, 0.4141,
0.3085


145.2764, 0.3598,
0.3206

 8.6888, 0.4338,
0.3035

181.0392, 0.3564,
0.3212

 4.5388, 0.4629,
0.2957

222.2364, 0.3535,
0.3218

 1.9793, 0.5093,
0.2820

269.2526, 0.3509,

 0.5954, 0.6504,

0.3223

0.2645

322.4720, 0.3487,
0.3227

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.8824, 0.3806,
0.3162

48.8824, 0.3806,
0.3162

40.2179, 0.4116,
0.3125

59.3796, 0.3551,
0.3201

33.2741, 0.4485,
0.3095

71.7990, 0.3346,
0.3240

27.9380, 0.4904,
0.3078

86.2325, 0.3180,
0.3277

24.0797, 0.5345,
0.3083

98.3329, 0.3072,
0.3290

■ 21.5493, 0.5759,
0.3114

■ 20.1648, 0.6089,
0.3170

■ 19.7168, 0.6236,
0.3209

Harmonies

Analogous

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



48.8824, 0.3399, 0.2845



48.8824, 0.3806, 0.3162



48.8824, 0.4020, 0.3525

Triad

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



48.8824, 0.3806, 0.3162



48.8824, 0.3265, 0.4074



48.8824, 0.2338, 0.2667

Complementary

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



48.8824, 0.3806, 0.3162



79.6425, 0.2706, 0.3426

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.



48.8824, 0.2310, 0.2951



48.8824, 0.3806, 0.3162



48.8824, 0.2824, 0.3805

Square

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



48.8824, 0.3806, 0.3162



48.8824, 0.3687, 0.4079



48.8824, 0.2480, 0.3372



48.8824, 0.2559, 0.2562

Rectangle

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



48.8824, 0.3806, 0.3162



48.8824, 0.4016, 0.3757



48.8824, 0.2480, 0.3372



48.8824, 0.2307, 0.2743

Sweetspot

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



48.8847, 0.3806, 0.3162



83.4688, 0.3280, 0.3254



50.2686, 0.3064, 0.2425



17.4072, 0.3304, 0.3249



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.



48.8847, 0.3806, 0.3162



46.8582, 0.3996, 0.3138



59.9619, 0.3817, 0.3605



16.5214, 0.3271, 0.3256



10.5362, 0.6207, 0.3193



0.9377, 0.5912, 0.3031

Inverse Universe

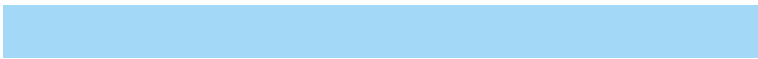
The Inverse Universe completely reimagines the original color for something new.



48.8847, 0.3806, 0.3162



46.8582, 0.3996, 0.3138



64.0434, 0.2604, 0.2949



16.5214, 0.3271, 0.3256



10.5362, 0.6207, 0.3193



0.9377, 0.5912, 0.3031

Previews

White Background



This preview shows how the Yxy color 48.8824, 0.3806, 0.3162 looks on a white background.

Color Contrast Check

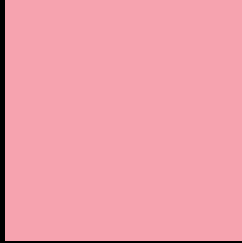
Large Text (above 18pt) WCAG AA × Fail

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 48.8824, 0.3806, 0.3162 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 48.8824, 0.3806, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 48.8824, 0.3806, 0.3162.



This preview shows how white text looks on a background with the Yxy color 48.8824, 0.3806, 0.3162.

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

48.8824, 0.3806, 0.3162

Protanopia

49.1046, 0.3145, 0.3265

Deuteranopia

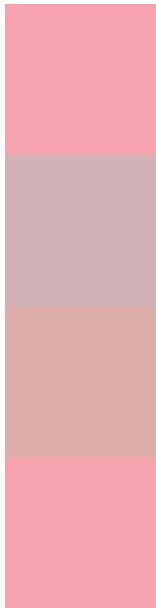
49.1764, 0.3450, 0.3389



Tritanopia

48.8824, 0.3806, 0.3162

Trichromacy



Original Color

48.8824, 0.3806, 0.3162

Protanomaly

48.5648, 0.3369, 0.3218

Deuteranomaly

48.8188, 0.3573, 0.3303

Tritanomaly

48.8824, 0.3806, 0.3162

Monochromacy



Original Color

48.8824, 0.3806, 0.3162

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

49.8048, 0.3356, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8824, 0.3806, 0.3162 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(246, 163, 175)` looks like.

```
.text, #text, p{  
    color:rgb(246, 163, 175)  
}
```

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(246, 163, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 163, 175) }
```

Border

The CSS property to change the border of an element to Yxy 48.8824, 0.3806, 0.3162 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(246, 163, 175) }
```

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

```
.border{ border-color:rgb(246, 163, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 163, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 163, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 163, 175); box-shadow:4px 4px 4px 4px rgb(246, 163, 175) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8824, 0.3806, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 163, 175) }
```

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

```
.background{ background-color: rgb(246,  
163, 175) }
```

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