

# Converting Colors

$Y_{xy}(48.4062, 0.3538, 0.2802)$

Have a look what the booklet for  
Yxy(48.4062, 0.3538, 0.2802)  
contains.

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# Color

**Yxy(48.4062, 0.3538, 0.2802)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F69ECC
RGB	246, 158, 204
RGB Percent	96%, 62%, 80%
CMY	0.0354, 0.3803, 0.2001
CMYK	0.00, 0.36, 0.17, 0.04
HSL	329°, 83%, 79%
HSV	329°, 36%, 96%
XYZ	61.1210, 48.4062, 63.2287
YIQ	189.5560, 37.6820, 32.9620

# Conversions

## Conversions Part 2

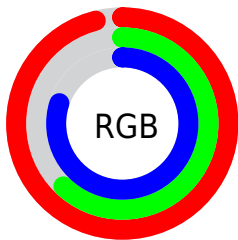
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 158, 204
Decimal	16162508
CIE Lab	75.08, 38.98, -9.82
CIE LCh	75, 40.203, 345.857
Yxy	48.4062, 0.3538, 0.2802
Android (android.graphics.Color)	4294352588 (0xFFFF69ECC)
YUV	189.5560, 7.1209, 49.5014
Hunter-Lab	69.5746, 35.0562, -5.1800

# Details

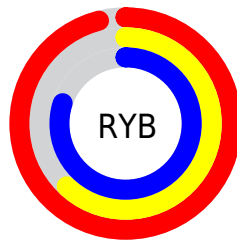
The Yxy color **48.4062, 0.3538, 0.2802** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **77.3368, 0.2854, 0.3840**, and the grayscale version is **51.1674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **22.9965, 0.3642, 0.2676** is the 20% darker color. If you saturate the color by 10%, you get **40.2960, 0.3705, 0.2667**, and if you desaturate by 10%, it is **58.2426, 0.3396, 0.2943**.

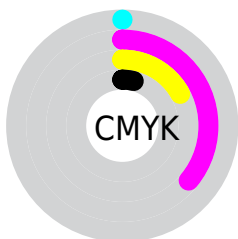
# Distribution



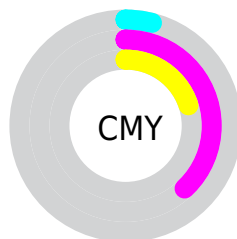
- Red (96%)
- Green (62%)
- Blue (80%)



- Red (96%)
- Yellow (62%)
- Blue (80%)



- Cyan (0%)
- Magenta (36%)
- Yellow (17%)
- Black (4%)




- Cyan (4%)
- Magenta (38%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4062, 0.3538, 0.2802 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 48.4062, 0.3538, 0.2802 by changing the saturation by 10% instead.




 48.4062, 0.3538,  
0.2802

 48.4062, 0.3538,  
0.2802


380.4000, 0.3339,  
0.3035

 34.1487, 0.3586,  
0.2747


 87.8089, 0.3467,  
0.2884

 23.0078, 0.3646,  
0.2678


 113.7228, 0.3440,  
0.2916

 14.5993, 0.3725,  
0.2590


144.2911, 0.3417,  
0.2943

 8.5386, 0.3832,  
0.2472

179.8979, 0.3397,  
0.2966

 4.4415, 0.3984,  
0.2307

220.9279, 0.3380,  
0.2987

 1.9235, 0.4217,  
0.2062

267.7653, 0.3364,

 0.5624, 0.4668,

0.3005

320.7945, 0.3351,  
0.3021

0.1577

0.0000, 0.8224,  
0.0000

0.0000, 0.0000,  
0.0000

48.4062, 0.3538,  
0.2802

48.4062, 0.3538,  
0.2802

40.2960, 0.3705,  
0.2667

58.2426, 0.3396,  
0.2943

33.8037, 0.3896,  
0.2546

69.8919, 0.3276,  
0.3082

28.8191, 0.4110,  
0.2451

83.4427, 0.3177,  
0.3216

25.2151, 0.4340,  
0.2396

98.0699, 0.3095,  
0.3329

■ 22.8435, 0.4576,  
0.2391

■ 98.3275, 0.3072,  
0.3290

■ 21.5212, 0.4805,  
0.2440

■ 21.1591, 0.4900,  
0.2473

# Harmonies

## Analogous

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



48.4062, 0.2971, 0.2527



48.4062, 0.3538, 0.2802



48.4062, 0.4018, 0.3189

# Triad

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



48.4062, 0.3538, 0.2802



48.4062, 0.3732, 0.4275



48.4062, 0.2134, 0.2803

# Complementary

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



48.4062, 0.3538, 0.2802



77.3368, 0.2854, 0.3840

# 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.



48.4062, 0.2298, 0.3300



48.4062, 0.3538, 0.2802



48.4062, 0.3203, 0.4237

# Square

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



48.4062, 0.3538, 0.2802



48.4062, 0.4117, 0.4022



48.4062, 0.2680, 0.3859



48.4062, 0.2203, 0.2501



# Rectangle

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



48.4062, 0.3538, 0.2802



48.4062, 0.4198, 0.3477



48.4062, 0.2680, 0.3859



48.4062, 0.2163, 0.2951

# Sweetspot

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



48.4085, 0.3538, 0.2802



82.5578, 0.3227, 0.3146



43.2661, 0.2782, 0.2296



17.2490, 0.3240, 0.3128



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.



48.4085, 0.3538, 0.2802



45.9122, 0.3658, 0.2702



46.6220, 0.3962, 0.3261



16.6271, 0.3212, 0.3167



11.3256, 0.4865, 0.2454



1.0162, 0.4601, 0.2308



# Inverse Universe

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



48.4085, 0.3538, 0.2802



45.9122, 0.3658, 0.2702



79.6387, 0.2638, 0.3322



16.6271, 0.3212, 0.3167



11.3256, 0.4865, 0.2454

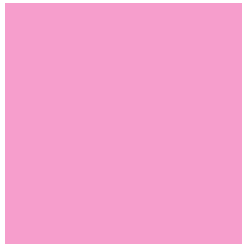


1.0162, 0.4601, 0.2308



# Previews

## White Background



This preview shows how the Yxy color 48.4062, 0.3538, 0.2802 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

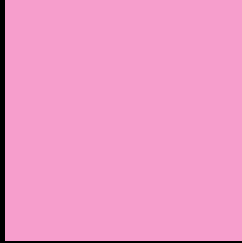
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4062, 0.3538, 0.2802 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 48.4062, 0.3538, 0.2802**

## Background



This preview shows how black text looks on a background with the Yxy color 48.4062, 0.3538, 0.2802.

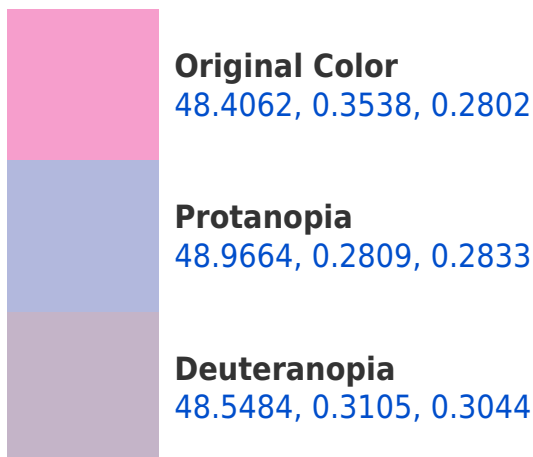


This preview shows how white text looks on a background with the Yxy color 48.4062, 0.3538, 0.2802.

# 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





## Tritanopia

48.3837, 0.3768, 0.3149

# Trichromacy



## Original Color

48.4062, 0.3538, 0.2802



## Protanomaly

48.2628, 0.3048, 0.2817



## Deuteranomaly

48.0182, 0.3258, 0.2950



## Tritanomaly

48.2680, 0.3686, 0.3020

# Monochromacy



## Original Color

48.4062, 0.3538, 0.2802



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

49.4826, 0.3267, 0.3088

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4062, 0.3538, 0.2802 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, 158, 204)` looks like.

```
.text, #text, p{  
    color:rgb(246, 158, 204)  
}
```

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, 158, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 158, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4062, 0.3538, 0.2802 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, 158, 204) }
```

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

```
.border{ border-color:rgb(246, 158, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 158, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 158, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 158, 204);  
box-shadow:4px 4px 4px 4px rgb(246, 158,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4062, 0.3538, 0.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 158, 204) }
```

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

```
.background{ background-color: rgb(246,  
158, 204) }
```

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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