

# Converting Colors

$Yxy(48.9118, 0.3806, 0.3219)$

Have a look what the booklet for  
Yxy(48.9118, 0.3806, 0.3219)  
contains.

<b>Yxy(48.9435, 0.3801, 0.3215)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(48.9435, 0.3801, 0.3215)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3A5AC
RGB	243, 165, 172
RGB Percent	95%, 65%, 67%
CMY	0.0470, 0.3529, 0.3255
CMYK	0.00, 0.32, 0.29, 0.05
HSL	355°, 76%, 80%
HSV	355°, 32%, 95%
XYZ	57.8645, 48.9435, 45.4269
YIQ	189.1200, 44.2410, 18.7130

# Conversions

## Conversions Part 2

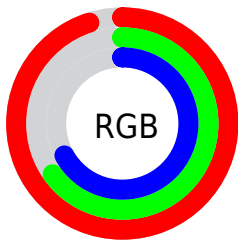
Format	Color
R <sub>Y</sub> B	243, 165, 172
Decimal	15967660
CIE Lab	75.42, 29.73, 8.17
CIE LCh	75, 30.834, 15.363
Yxy	48.9435, 0.3801, 0.3215
Android (android.graphics.Color)	4294157740 (0xFFFF3A5AC)
YUV	189.1200, -8.4402, 47.2528
Hunter-Lab	69.9596, 25.2102, 10.4730

# Details

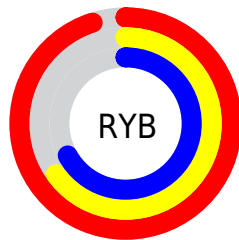
The Yxy color **48.9435, 0.3801, 0.3215** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **78.1596, 0.2703, 0.3369**, and the grayscale version is **50.9928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5190, 0.3331, 0.3231**, and **23.2587, 0.3990, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **40.2161, 0.4123, 0.3192**, and if you desaturate by 10%, it is **59.4823, 0.3539, 0.3239**.

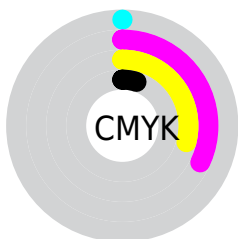
# Distribution



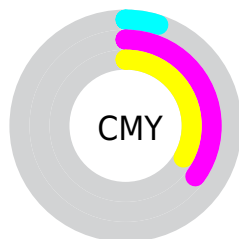
- Red (95%)
- Green (65%)
- Blue (67%)



- Red (95%)
- Yellow (65%)
- Blue (67%)



- Cyan (0%)
- Magenta (32%)
- Yellow (29%)
- Black (5%)




- Cyan (5%)
- Magenta (35%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9435, 0.3801, 0.3215 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 48.9435, 0.3801, 0.3215 by changing the saturation by 10% instead.




 48.9435, 0.3801,  
0.3215


 48.9435, 0.3801,  
0.3215

382.5198, 0.3464,  
0.3259

 34.5747, 0.3885,  
0.3202


 88.6075, 0.3679,  
0.3232

 23.3354, 0.3992,  
0.3185


 114.6715, 0.3633,  
0.3238

 14.8414, 0.4134,  
0.3161


145.4027, 0.3594,  
0.3243

 8.7081, 0.4331,  
0.3124

181.1854, 0.3561,  
0.3247

 4.5513, 0.4621,  
0.3063

222.4041, 0.3532,  
0.3251

 1.9865, 0.5085,  
0.2949

269.4431, 0.3506,

 0.5996, 0.6698,

0.3254

0.2906

322.6869, 0.3484,  
0.3256

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.9435, 0.3801,  
0.3215

48.9435, 0.3801,  
0.3215

40.2161, 0.4123,  
0.3192

59.4823, 0.3539,  
0.3239

33.1916, 0.4507,  
0.3174

71.9193, 0.3327,  
0.3263

27.7607, 0.4944,  
0.3164

86.3438, 0.3158,  
0.3286

23.7984, 0.5403,  
0.3167

97.7953, 0.3054,  
0.3290

■ 21.1611, 0.5830,  
0.3188

■ 19.6763, 0.6158,  
0.3225

■ 19.1124, 0.6321,  
0.3256

# Harmonies

## Analogous

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



48.9435, 0.3438, 0.2906



48.9435, 0.3801, 0.3215



48.9435, 0.3971, 0.3558

# Triad

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



48.9435, 0.3801, 0.3215



48.9435, 0.3203, 0.4001



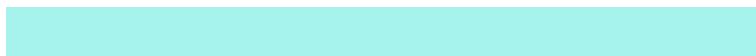
48.9435, 0.2402, 0.2683

# Complementary

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



48.9435, 0.3801, 0.3215



78.1596, 0.2703, 0.3369

# 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.



48.9435, 0.2351, 0.2931



48.9435, 0.3801, 0.3215



48.9435, 0.2794, 0.3723

# Square

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



48.9435, 0.3801, 0.3215



48.9435, 0.3608, 0.4042



48.9435, 0.2489, 0.3313



48.9435, 0.2633, 0.2605



# Rectangle

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



48.9435, 0.3801, 0.3215



48.9435, 0.3947, 0.3771



48.9435, 0.2489, 0.3313



48.9435, 0.2364, 0.2748

# Sweetspot

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



48.9458, 0.3801, 0.3215



83.3898, 0.3289, 0.3268



51.0800, 0.3100, 0.2476



17.3882, 0.3315, 0.3265



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.



48.9458, 0.3801, 0.3215



47.5835, 0.4020, 0.3199



61.3441, 0.3760, 0.3630



16.5066, 0.3280, 0.3269



10.4974, 0.6301, 0.3245



0.9307, 0.6085, 0.3126



# Inverse Universe

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



48.9458, 0.3801, 0.3215



47.5835, 0.4020, 0.3199



61.4601, 0.2623, 0.2921



16.5066, 0.3280, 0.3269



10.4974, 0.6301, 0.3245



0.9307, 0.6085, 0.3126



# Previews

## White Background



This preview shows how the Yxy color 48.9435, 0.3801, 0.3215 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

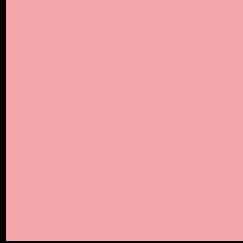
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9435, 0.3801, 0.3215 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 48.9435, 0.3801, 0.3215**

## Background



This preview shows how black text looks on a background with the Yxy color 48.9435, 0.3801, 0.3215.



This preview shows how white text looks on a background with the Yxy color 48.9435, 0.3801, 0.3215.

# 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

48.9435, 0.3801, 0.3215

### Protanopia

49.0640, 0.3185, 0.3316

### Deuteranopia

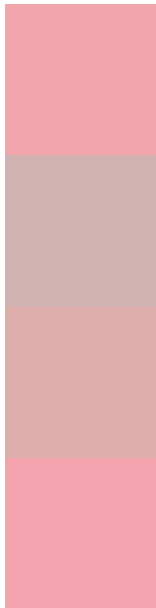
49.2087, 0.3485, 0.3425



## Tritanopia

48.7799, 0.3756, 0.3149

# Trichromacy



## Original Color

48.9435, 0.3801, 0.3215

## Protanomaly

48.6508, 0.3393, 0.3279

## Deuteranomaly

49.0918, 0.3597, 0.3350

## Tritanomaly

48.7008, 0.3775, 0.3171

# Monochromacy



## Original Color

48.9435, 0.3801, 0.3215

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

49.6167, 0.3356, 0.3254

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9435, 0.3801, 0.3215 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(243, 165, 172)` looks like.

```
.text, #text, p{  
    color:rgb(243, 165, 172)  
}
```

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(243, 165, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 165, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9435, 0.3801, 0.3215 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(243, 165, 172) }
```

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

```
.border{ border-color:rgb(243, 165, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 165, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 165, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 165, 172);  
box-shadow:4px 4px 4px 4px rgb(243, 165,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9435, 0.3801, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 165, 172) }
```

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

```
.background{ background-color: rgb(243,  
165, 172) }
```

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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