

# Converting Colors

$Yxy(51.9367, 0.3784, 0.3256)$

Have a look what the booklet for  
Yxy(51.9367, 0.3784, 0.3256)  
contains.

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# **Color**

**Yxy(51.8138, 0.3781, 0.3249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6ABAF
RGB	246, 171, 175
RGB Percent	96%, 67%, 69%
CMY	0.0354, 0.3293, 0.3138
CMYK	0.00, 0.30, 0.29, 0.04
HSL	357°, 81%, 82%
HSV	357°, 30%, 96%
XYZ	60.2979, 51.8138, 47.3644
YIQ	193.8810, 43.4160, 17.1440

# Conversions

## Conversions Part 2

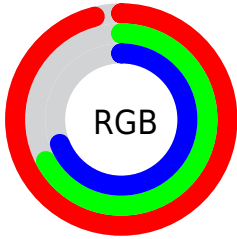
Format	Color
R <sub>Y</sub> B	246, 171, 175
Decimal	16165807
CIE Lab	77.17, 28.03, 9.10
CIE LCh	77, 29.474, 17.977
Yxy	51.8138, 0.3781, 0.3249
Android (android.graphics.Color)	4294355887 (0xFFF6ABAF)
YUV	193.8810, -9.3083, 45.7084
Hunter-Lab	71.9818, 23.5583, 11.3741

# Details

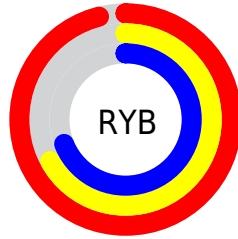
The Yxy color **51.8138, 0.3781, 0.3249** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **80.9694, 0.2708, 0.3333**, and the grayscale version is **53.9118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9113, 0.3304, 0.3261**, and **25.0783, 0.3957, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **42.5332, 0.4107, 0.3236**, and if you desaturate by 10%, it is **62.9863, 0.3516, 0.3263**.

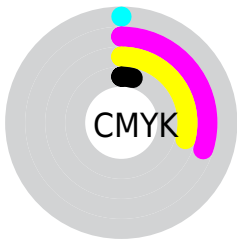
# Distribution



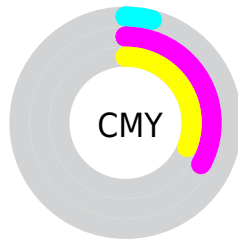
- Red (96%)
- Green (67%)
- Blue (69%)



- Red (96%)
- Yellow (67%)
- Blue (69%)



- Cyan (0%)
- Magenta (30%)
- Yellow (29%)
- Black (4%)




- Cyan (4%)
- Magenta (33%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.8138, 0.3781, 0.3249 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 51.8138, 0.3781, 0.3249 by changing the saturation by 10% instead.




 51.8138, 0.3781,  
0.3249

 51.8138, 0.3781,  
0.3249


393.7174, 0.3457,  
0.3276

 36.8567, 0.3861,  
0.3241

 92.8566, 0.3664,  
0.3260

 25.0965, 0.3962,  
0.3229


119.7110, 0.3620,  
0.3264

 16.1490, 0.4096,  
0.3212


151.3000, 0.3583,  
0.3267

 9.6296, 0.4280,  
0.3185

188.0080, 0.3550,  
0.3269

 5.1541, 0.4547,  
0.3140

230.2193, 0.3522,  
0.3271

 2.3380, 0.4968,  
0.3054

278.3184, 0.3498,

 0.7937, 0.6089,

0.3273

0.3038

332.6896, 0.3476,  
0.3274

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

51.8138, 0.3781,  
0.3249

51.8138, 0.3781,  
0.3249

42.5332, 0.4107,  
0.3236

62.9863, 0.3516,  
0.3263

35.0330, 0.4498,  
0.3225

76.1396, 0.3304,  
0.3277

29.2014, 0.4944,  
0.3219

91.3657, 0.3134,  
0.3289

24.9108, 0.5415,  
0.3222

98.3284, 0.3072,  
0.3290

■ 22.0153, 0.5852,  
0.3235

■ 20.3410, 0.6184,  
0.3257

■ 19.6174, 0.6361,  
0.3278

# Harmonies

## Analogous

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



51.8138, 0.3453, 0.2951



51.8138, 0.3781, 0.3249



51.8138, 0.3921, 0.3573

# Triad

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



51.8138, 0.3781, 0.3249



51.8138, 0.3165, 0.3940



51.8138, 0.2457, 0.2707

# Complementary

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



51.8138, 0.3781, 0.3249



80.9694, 0.2708, 0.3333

# 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.



51.8138, 0.2393, 0.2929



51.8138, 0.3781, 0.3249



51.8138, 0.2786, 0.3665

# Square

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



51.8138, 0.3781, 0.3249



51.8138, 0.3550, 0.4000



51.8138, 0.2509, 0.3279



51.8138, 0.2689, 0.2645



# Rectangle

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



51.8138, 0.3781, 0.3249



51.8138, 0.3886, 0.3769



51.8138, 0.2509, 0.3279



51.8138, 0.2416, 0.2764

# Sweetspot

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



51.8163, 0.3781, 0.3249



84.8994, 0.3277, 0.3279



54.4832, 0.3122, 0.2521



17.6868, 0.3304, 0.3277



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.



51.8163, 0.3781, 0.3249



49.3668, 0.3989, 0.3240



65.4786, 0.3713, 0.3639



16.4967, 0.3285, 0.3278



10.4794, 0.6346, 0.3270



0.9259, 0.6210, 0.3195



# Inverse Universe

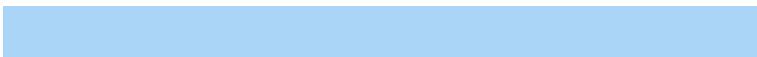
The Inverse Universe completely reimagines the original color for something new.



51.8163, 0.3781, 0.3249



49.3668, 0.3989, 0.3240



63.1507, 0.2645, 0.2912



16.4967, 0.3285, 0.3278



10.4794, 0.6346, 0.3270



0.9259, 0.6210, 0.3195



# Previews

## White Background



This preview shows how the Yxy color 51.8138, 0.3781, 0.3249 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

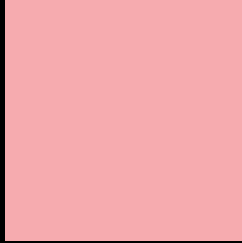
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.8138, 0.3781, 0.3249 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 51.8138, 0.3781, 0.3249**

## Background



This preview shows how black text looks on a background with the Yxy color 51.8138, 0.3781, 0.3249.



This preview shows how white text looks on a background with the Yxy color 51.8138, 0.3781, 0.3249.

# 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

51.8138, 0.3781, 0.3249

### Protanopia

52.0655, 0.3215, 0.3352

### Deuteranopia

51.8970, 0.3495, 0.3422



## Tritanopia

51.9425, 0.3718, 0.3152

# Trichromacy



## Original Color

51.8138, 0.3781, 0.3249

## Protanomaly

51.4993, 0.3412, 0.3315

## Deuteranomaly

51.6271, 0.3596, 0.3349

## Tritanomaly

51.8189, 0.3746, 0.3184

# Monochromacy



## Original Color

51.8138, 0.3781, 0.3249

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

52.8518, 0.3348, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.8138, 0.3781, 0.3249 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, 171, 175)` looks like.

```
.text, #text, p{  
    color:rgb(246, 171, 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, 171, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 171, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 51.8138, 0.3781, 0.3249 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, 171, 175) }
```

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

```
.border{ border-color:rgb(246, 171, 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, 171, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 171, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 171, 175);  
box-shadow:4px 4px 4px 4px rgb(246, 171,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.8138, 0.3781, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 171, 175) }
```

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

```
.background{ background-color: rgb(246,  
171, 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](#).

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