

# Converting Colors

$Yxy(82.0653, 0.5003, 0.3340)$

Have a look what the booklet for  
Yxy(82.0653, 0.5003, 0.3340)  
contains.

<b>Yxy(49.8547, 0.4074, 0.3367)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(49.8547, 0.4074, 0.3367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA39C
RGB	255, 163, 156
RGB Percent	100%, 64%, 61%
CMY	0.0002, 0.3606, 0.3883
CMYK	0.00, 0.36, 0.39, 0.00
HSL	4°, 100%, 81%
HSV	4°, 39%, 100%
XYZ	60.3232, 49.8547, 37.8908
YIQ	189.7100, 57.0790, 17.3270

# Conversions

## Conversions Part 2

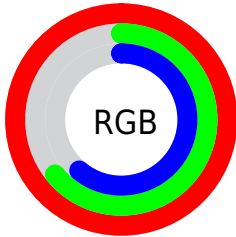
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 164, 156
Decimal	16753564
CIE Lab	75.98, 33.22, 17.91
CIE LCh	76, 37.741, 28.330
Yxy	49.8547, 0.4074, 0.3367
Android (android.graphics.Color)	4294943644 (0xFFFFA39C)
YUV	189.7100, -16.6190, 57.2593
Hunter-Lab	70.6079, 28.9360, 17.6083

# Details

The Yxy color **49.8547, 0.4074, 0.3367** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **81.3586, 0.2576, 0.3210**, and the grayscale version is **51.3915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5762, 0.3454, 0.3382**, and **23.9075, 0.4342, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **41.4437, 0.4457, 0.3385**, and if you desaturate by 10%, it is **60.0262, 0.3753, 0.3347**.

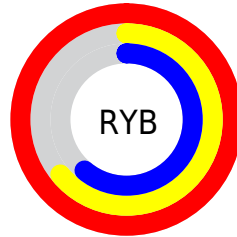
# Distribution



Red (100%)

Green (64%)

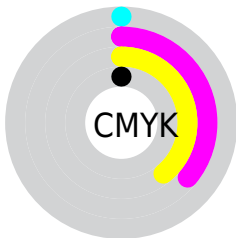
Blue (61%)



Red (100%)

Yellow (64%)

Blue (61%)

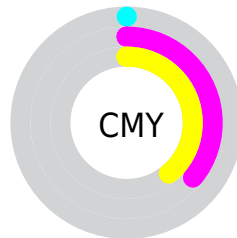


Cyan (0%)

Magenta (36%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (36%)

Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8547, 0.4074, 0.3367 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 49.8547, 0.4074, 0.3367 by changing the saturation by 10% instead.




 49.8547, 0.4074,  
0.3367

 49.8547, 0.4074,  
0.3367


386.0975, 0.3601,  
0.3345

 35.2980, 0.4191,  
0.3367


 89.9596, 0.3903,  
0.3363

 23.8925, 0.4340,  
0.3365


 116.2765, 0.3838,  
0.3360

 15.2539, 0.4535,  
0.3357


147.2822, 0.3784,  
0.3358

 8.9978, 0.4802,  
0.3337

183.3612, 0.3737,  
0.3355

 4.7397, 0.5184,  
0.3289

224.8978, 0.3696,  
0.3352

 2.0954, 0.5788,  
0.3186

272.2765, 0.3660,

 0.6620, 0.7065,

0.3350

0.2935

325.8816, 0.3629,  
0.3348

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.8547, 0.4074,  
0.3367

49.8547, 0.4074,  
0.3367

41.4437, 0.4457,  
0.3385

60.0262, 0.3753,  
0.3347

34.6864, 0.4896,  
0.3398

72.0425, 0.3491,  
0.3326

29.4758, 0.5362,  
0.3400

85.9913, 0.3280,  
0.3306

25.6894, 0.5802,  
0.3389

99.9903, 0.3127,  
0.3290

■ 23.1858, 0.6146,  
0.3364

■ 21.7917, 0.6346,  
0.3332

■ 21.6878, 0.6363,  
0.3330

# Harmonies

## Analogous

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



49.8547, 0.3715, 0.2976



49.8547, 0.4074, 0.3367



49.8547, 0.4148, 0.3770

# Triad

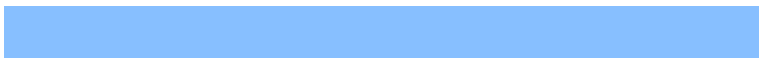
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.8547, 0.4074, 0.3367



49.8547, 0.2990, 0.4053



49.8547, 0.2352, 0.2495

# Complementary

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



49.8547, 0.4074, 0.3367



81.3586, 0.2576, 0.3210

# 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.



49.8547, 0.2198, 0.2697



49.8547, 0.4074, 0.3367



49.8547, 0.2542, 0.3609

# Square

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



49.8547, 0.4074, 0.3367



49.8547, 0.3498, 0.4228



49.8547, 0.2262, 0.3094



49.8547, 0.2705, 0.2493



# Rectangle

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



49.8547, 0.4074, 0.3367



49.8547, 0.4030, 0.4004



49.8547, 0.2262, 0.3094



49.8547, 0.2277, 0.2539

# Sweetspot

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



49.8571, 0.4074, 0.3367



81.3716, 0.3342, 0.3312



51.8228, 0.3226, 0.2385



17.0203, 0.3369, 0.3315



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.



49.8571, 0.4074, 0.3367



42.8642, 0.4383, 0.3382



70.7703, 0.3869, 0.3869



18.1946, 0.3293, 0.3308



11.4127, 0.6350, 0.3340



1.1802, 0.6238, 0.3429



# Inverse Universe

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



81.3586, 0.2576, 0.3210



78.5791, 0.2483, 0.3190



55.0714, 0.2487, 0.2627



20.2469, 0.2980, 0.3272



35.4675, 0.2185, 0.3066



3.5170, 0.2193, 0.3093



# Previews

## White Background



This preview shows how the Yxy color 49.8547, 0.4074, 0.3367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

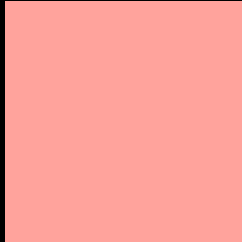
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.8547, 0.4074, 0.3367 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 49.8547, 0.4074, 0.3367**

## Background



This preview shows how black text looks on a background with the Yxy color 49.8547, 0.4074, 0.3367.



This preview shows how white text looks on a background with the Yxy color 49.8547, 0.4074, 0.3367.

# 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

49.8547, 0.4074, 0.3367

### Protanopia

50.1036, 0.3354, 0.3531

### Deuteranopia

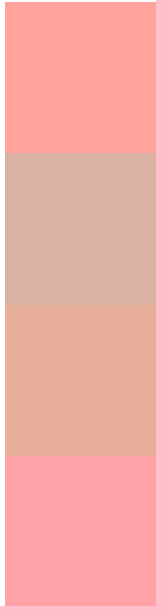
49.8479, 0.3697, 0.3615



## Tritanopia

49.7669, 0.3914, 0.3166

# Trichromacy



**Original Color**

49.8547, 0.4074, 0.3367

**Protanomaly**

49.2728, 0.3597, 0.3459

**Deuteranomaly**

49.5941, 0.3829, 0.3522

**Tritanomaly**

49.8907, 0.3970, 0.3240

# Monochromacy



**Original Color**

49.8547, 0.4074, 0.3367

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

50.1530, 0.3443, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8547, 0.4074, 0.3367 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(255, 163, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 156)  
}
```

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(255, 163, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8547, 0.4074, 0.3367 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(255, 163, 156) }
```

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

```
.border{ border-color:rgb(255, 163, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 163, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8547, 0.4074, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 156) }
```

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

```
.background{ background-color: rgb(255,  
163, 156) }
```

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