

# Converting Colors

$Y_{xy}(100.0000, 0.4989, 0.3308)$

Have a look what the booklet for  
Yxy(100.0000, 0.4989, 0.3308)  
contains.

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# Color

**Yxy(55.3667, 0.3854, 0.3313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB0AE
RGB	255, 176, 174
RGB Percent	100%, 69%, 68%
CMY	0.0000, 0.3098, 0.3176
CMYK	0.00, 0.31, 0.32, 0.00
HSL	1°, 100%, 84%
HSV	1°, 32%, 100%
XYZ	64.4079, 55.3667, 47.3450
YIQ	199.3930, 47.7260, 16.1260

# Conversions

## Conversions Part 2

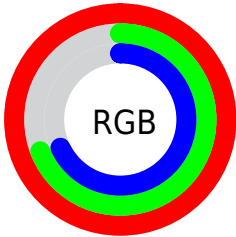
Format	Color
R <sub>Y</sub> B	255, 176, 174
Decimal	16756910
CIE Lab	79.25, 28.61, 12.71
CIE LCh	79, 31.301, 23.954
Yxy	55.3667, 0.3854, 0.3313
Android (android.graphics.Color)	4294946990 (0xFFFFB0AE)
YUV	199.3930, -12.5187, 48.7673
Hunter-Lab	74.4088, 24.2933, 14.3610

# Details

The Yxy color **55.3667, 0.3854, 0.3313** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **86.4807, 0.2669, 0.3267**, and the grayscale version is **57.4241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6304, 0.3305, 0.3320**, and **27.3068, 0.4039, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **45.5889, 0.4204, 0.3321**, and if you desaturate by 10%, it is **67.1239, 0.3568, 0.3305**.

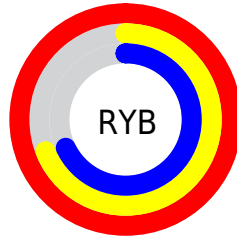
# Distribution



Red (100%)

Green (69%)

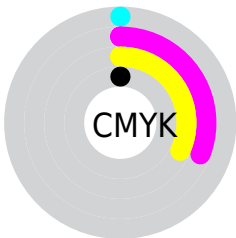
Blue (68%)



Red (100%)

Yellow (69%)

Blue (68%)

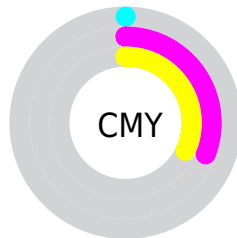


Cyan (0%)

Magenta (31%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3667, 0.3854, 0.3313 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 55.3667, 0.3854, 0.3313 by changing the saturation by 10% instead.





 55.3667, 0.3854,  
0.3313

 55.3667, 0.3854,  
0.3313


407.3005, 0.3497,  
0.3311

 39.6954, 0.3941,  
0.3311


 98.0780, 0.3726,  
0.3314

 27.3011, 0.4050,  
0.3307


125.8868, 0.3678,  
0.3314

 17.7995, 0.4193,  
0.3299


158.5102, 0.3636,  
0.3314

 10.8061, 0.4388,  
0.3285

196.3327, 0.3601,  
0.3313

 5.9366, 0.4665,  
0.3256

239.7385, 0.3570,  
0.3313

 2.8066, 0.5089,  
0.3191

289.1122, 0.3543,

 1.0316, 0.6108,

0.3312

0.3191

344.8380, 0.3519,  
0.3312

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

55.3667, 0.3854,  
0.3313

55.3667, 0.3854,  
0.3313

45.5889, 0.4204,  
0.3321

67.1239, 0.3568,  
0.3305

37.6770, 0.4619,  
0.3327

80.9555, 0.3339,  
0.3298

31.5137, 0.5085,  
0.3331

96.9566, 0.3155,  
0.3291

26.9666, 0.5562,  
0.3331

100.0000, 0.3127,  
0.3290

■ 23.8843, 0.5981,  
0.3325

■ 22.0868, 0.6269,  
0.3315

■ 21.3957, 0.6389,  
0.3309

# Harmonies

## Analogous

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



55.3667, 0.3544, 0.2995



55.3667, 0.3854, 0.3313



55.3667, 0.3952, 0.3645

# Triad

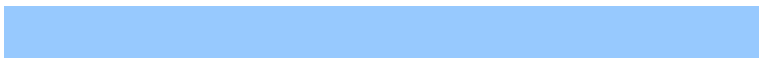
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



55.3667, 0.3854, 0.3313



55.3667, 0.3083, 0.3926



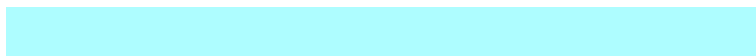
55.3667, 0.2467, 0.2659

# Complementary

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



55.3667, 0.3854, 0.3313



86.4807, 0.2669, 0.3267

# 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.



55.3667, 0.2365, 0.2856



55.3667, 0.3854, 0.3313



55.3667, 0.2704, 0.3604

# Square

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



55.3667, 0.3854, 0.3313



55.3667, 0.3490, 0.4035



55.3667, 0.2447, 0.3198



55.3667, 0.2738, 0.2629



# Rectangle

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



55.3667, 0.3854, 0.3313



55.3667, 0.3884, 0.3838



55.3667, 0.2447, 0.3198



55.3667, 0.2413, 0.2706

# Sweetspot

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



55.3684, 0.3854, 0.3313



83.6084, 0.3304, 0.3297



58.6723, 0.3175, 0.2510



17.4405, 0.3332, 0.3298



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.



55.3684, 0.3854, 0.3313



49.0388, 0.4064, 0.3318



73.3560, 0.3724, 0.3722



18.0583, 0.3294, 0.3296



11.2106, 0.6384, 0.3313



1.1155, 0.6343, 0.3345



# Inverse Universe

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



86.4807, 0.2669, 0.3267



84.5131, 0.2593, 0.3262



63.8893, 0.2614, 0.2814



20.4005, 0.2980, 0.3284



39.1277, 0.2226, 0.3213

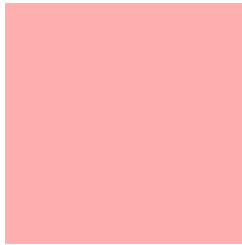


3.8330, 0.2228, 0.3222



# Previews

## White Background



This preview shows how the Yxy color 55.3667, 0.3854, 0.3313 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

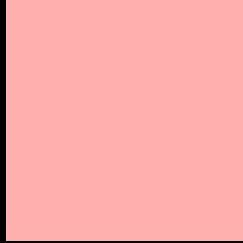
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.3667, 0.3854, 0.3313 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 55.3667, 0.3854, 0.3313**

## Background



This preview shows how black text looks on a background with the Yxy color 55.3667, 0.3854, 0.3313.



This preview shows how white text looks on a background with the Yxy color 55.3667, 0.3854, 0.3313.

# 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

55.3667, 0.3854, 0.3313

### Protanopia

55.6791, 0.3266, 0.3423

### Deuteranopia

55.3813, 0.3570, 0.3487



## Tritanopia

55.5078, 0.3738, 0.3166

# Trichromacy



## Original Color

55.3667, 0.3854, 0.3313



## Protanomaly

55.2610, 0.3469, 0.3384



## Deuteranomaly

55.1310, 0.3671, 0.3415



## Tritanomaly

55.2973, 0.3784, 0.3218

# Monochromacy



## Original Color

55.3667, 0.3854, 0.3313



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

56.0394, 0.3367, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.3667, 0.3854, 0.3313 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, 176, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 174)  
}
```

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, 176, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 55.3667, 0.3854, 0.3313 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, 176, 174) }
```

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

```
.border{ border-color:rgb(255, 176, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.3667, 0.3854, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 174) }
```

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

```
.background{ background-color: rgb(255,  
176, 174) }
```

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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