

# Converting Colors

$Y_{xy}(70.4550, 0.4774, 0.3332)$

Have a look what the booklet for  
Yxy(70.4550, 0.4774, 0.3332)  
contains.

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# Color

**Yxy(49.5350, 0.4069, 0.3345)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA29D
RGB	255, 162, 157
RGB Percent	100%, 64%, 62%
CMY	0.0000, 0.3648, 0.3842
CMYK	0.00, 0.36, 0.38, 0.00
HSL	3°, 100%, 81%
HSV	3°, 38%, 100%
XYZ	60.2565, 49.5350, 38.2952
YIQ	189.2370, 57.0330, 18.1610

# Conversions

## Conversions Part 2

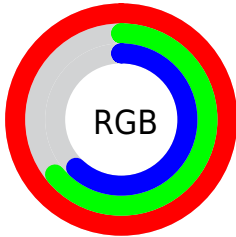
Format	Color
R <sub>Y</sub> B	255, 162, 157
Decimal	16753309
CIE Lab	75.78, 33.91, 17.07
CIE LCh	76, 37.967, 26.721
Yxy	49.5350, 0.4069, 0.3345
Android (android.graphics.Color)	4294943389 (0xFFFFA29D)
YUV	189.2370, -15.8928, 57.6742
Hunter-Lab	70.3811, 29.6551, 17.0064

# Details

The Yxy color **49.5350, 0.4069, 0.3345** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **82.7867, 0.2584, 0.3233**, and the grayscale version is **51.0963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1563, 0.3441, 0.3352**, and **23.7136, 0.4335, 0.3334** is the 20% darker color. If you saturate the color by 10%, you get **41.0265, 0.4455, 0.3358**, and if you desaturate by 10%, it is **59.8599, 0.3746, 0.3330**.

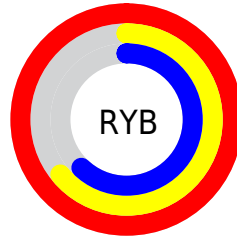
# Distribution



Red (100%)

Green (64%)

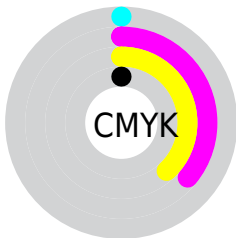
Blue (62%)



Red (100%)

Yellow (64%)

Blue (62%)

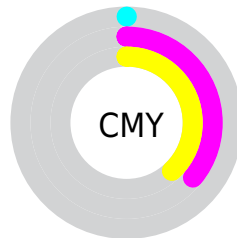


Cyan (0%)

Magenta (36%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (36%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5350, 0.4069, 0.3345 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 49.5350, 0.4069, 0.3345 by changing the saturation by 10% instead.




 49.5350, 0.4069,  
0.3345

 49.5350, 0.4069,  
0.3345


384.8447, 0.3598,  
0.3334

 35.0441, 0.4185,  
0.3343


 89.4855, 0.3898,  
0.3345

 23.6968, 0.4334,  
0.3338


 115.7139, 0.3834,  
0.3343

 15.1089, 0.4529,  
0.3326


146.6236, 0.3780,  
0.3342

 8.8958, 0.4797,  
0.3302

182.5989, 0.3733,  
0.3340

 4.6733, 0.5180,  
0.3248

224.0243, 0.3693,  
0.3338

 2.0569, 0.5785,  
0.3135

271.2841, 0.3657,

 0.6402, 0.7126,

0.3337

0.2874

324.7628, 0.3626,  
0.3335

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.5350, 0.4069,  
0.3345

49.5350, 0.4069,  
0.3345

41.0265, 0.4455,  
0.3358

59.8599, 0.3746,  
0.3330

34.2389, 0.4899,  
0.3367

72.1090, 0.3484,  
0.3315

29.0519, 0.5371,  
0.3369

86.3694, 0.3273,  
0.3301

25.3341, 0.5816,  
0.3362

100.0000, 0.3127,  
0.3290

■ 22.9333, 0.6161,  
0.3344

■ 21.6615, 0.6356,  
0.3321

■ 21.5456, 0.6376,  
0.3320

# Harmonies

## Analogous

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



49.5350, 0.3695, 0.2954



49.5350, 0.4069, 0.3345



49.5350, 0.4160, 0.3752

# Triad

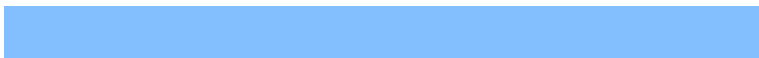
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.5350, 0.4069, 0.3345



49.5350, 0.3016, 0.4077



49.5350, 0.2332, 0.2495

# Complementary

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



49.5350, 0.4069, 0.3345



82.7867, 0.2584, 0.3233

# 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.



49.5350, 0.2189, 0.2708



49.5350, 0.4069, 0.3345



49.5350, 0.2558, 0.3640

# Square

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



49.5350, 0.4069, 0.3345



49.5350, 0.3527, 0.4236



49.5350, 0.2265, 0.3118



49.5350, 0.2678, 0.2482



# Rectangle

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



49.5350, 0.4069, 0.3345



49.5350, 0.4051, 0.3992



49.5350, 0.2265, 0.3118



49.5350, 0.2261, 0.2543

# Sweetspot

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



49.5315, 0.4069, 0.3345



81.0287, 0.3343, 0.3306



52.2916, 0.3211, 0.2379



16.9404, 0.3370, 0.3308



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.



49.5315, 0.4069, 0.3345



42.9236, 0.4356, 0.3355



70.2402, 0.3867, 0.3847



18.1344, 0.3293, 0.3303



11.3190, 0.6366, 0.3328



1.1517, 0.6284, 0.3393



# Inverse Universe

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



82.7867, 0.2584, 0.3233



80.3869, 0.2499, 0.3221



56.2177, 0.2497, 0.2655



20.3145, 0.2980, 0.3277



37.0514, 0.2203, 0.3131

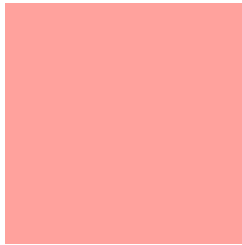


3.6540, 0.2208, 0.3150



# Previews

## White Background



This preview shows how the Yxy color 49.5350, 0.4069, 0.3345 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

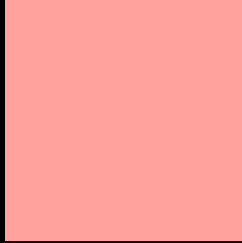
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.5350, 0.4069, 0.3345 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 49.5350, 0.4069, 0.3345**

## Background



This preview shows how black text looks on a background with the Yxy color 49.5350, 0.4069, 0.3345.



This preview shows how white text looks on a background with the Yxy color 49.5350, 0.4069, 0.3345.

# 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

49.5350, 0.4069, 0.3345

### Protanopia

50.0073, 0.3338, 0.3518

### Deuteranopia

49.7273, 0.3679, 0.3604



## Tritanopia

49.3802, 0.3928, 0.3166

# Trichromacy



## Original Color

49.5350, 0.4069, 0.3345

## Protanomaly

49.3091, 0.3588, 0.3447

## Deuteranomaly

49.2426, 0.3824, 0.3499

## Tritanomaly

49.5398, 0.3974, 0.3229

# Monochromacy



## Original Color

49.5350, 0.4069, 0.3345

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

49.5607, 0.3444, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.5350, 0.4069, 0.3345 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, 162, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 157)  
}
```

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, 162, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 49.5350, 0.4069, 0.3345 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, 162, 157) }
```

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

```
.border{ border-color:rgb(255, 162, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 162, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 157);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.5350, 0.4069, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 157) }
```

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

```
.background{ background-color: rgb(255,  
162, 157) }
```

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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