

# Converting Colors

Yxy(51.3785, 0.4151, 0.3307)

Have a look what the booklet for  
Yxy(51.3785, 0.4151, 0.3307)  
contains.

<b>Yxy(49.2529, 0.4053, 0.3314)</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(49.2529, 0.4053, 0.3314)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA19F
RGB	255, 161, 159
RGB Percent	100%, 63%, 62%
CMY	0.0001, 0.3685, 0.3765
CMYK	0.00, 0.37, 0.38, 0.00
HSL	1°, 100%, 81%
HSV	1°, 38%, 100%
XYZ	60.2360, 49.2529, 39.1318
YIQ	188.8780, 56.6660, 19.3060

# Conversions

## Conversions Part 2

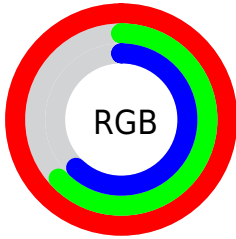
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 161, 159
Decimal	16753055
CIE Lab	75.61, 34.62, 15.75
CIE LCh	76, 38.030, 24.465
Yxy	49.2529, 0.4053, 0.3314
Android (android.graphics.Color)	4294943135 (0xFFFFA19F)
YUV	188.8780, -14.7299, 57.9890
Hunter-Lab	70.1804, 30.3911, 16.0668

# Details

The Yxy color **49.2529, 0.4053, 0.3314** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.8107, 0.2598, 0.3266**, and the grayscale version is **50.8788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7407, 0.3429, 0.3321**, and **23.5436, 0.4313, 0.3294** is the 20% darker color. If you saturate the color by 10%, you get **40.5878, 0.4443, 0.3320**, and if you desaturate by 10%, it is **59.8466, 0.3730, 0.3307**.

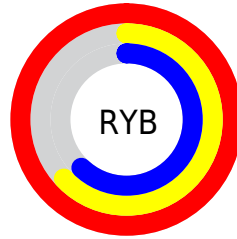
# Distribution



Red (100%)

Green (63%)

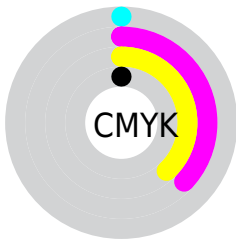
Blue (62%)



Red (100%)

Yellow (63%)

Blue (62%)

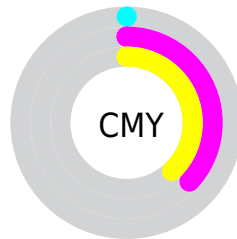


Cyan (0%)

Magenta (37%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (37%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2529, 0.4053, 0.3314 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 49.2529, 0.4053, 0.3314 by changing the saturation by 10% instead.





 49.2529, 0.4053,  
0.3314


 49.2529, 0.4053,  
0.3314


383.7371, 0.3590,  
0.3317

 34.8201, 0.4168,  
0.3309


 89.0670, 0.3885,  
0.3318

 23.5244, 0.4314,  
0.3300


 115.2170, 0.3822,  
0.3319

 14.9812, 0.4507,  
0.3284


146.0417, 0.3768,  
0.3319

 8.8062, 0.4772,  
0.3253

181.9253, 0.3722,  
0.3319

 4.6150, 0.5154,  
0.3193

223.2522, 0.3683,  
0.3319

 2.0232, 0.5750,  
0.3067

270.4069, 0.3648,

 0.6209, 0.7186,

0.3318

0.2814

323.7737, 0.3617,  
0.3318

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.2529, 0.4053,  
0.3314

49.2529, 0.4053,  
0.3314

40.5878, 0.4443,  
0.3320

59.8466, 0.3730,  
0.3307

33.7287, 0.4893,  
0.3325

72.4676, 0.3468,  
0.3301

28.5500, 0.5373,  
0.3326

87.2164, 0.3258,  
0.3294

24.9074, 0.5825,  
0.3324

99.9953, 0.3127,  
0.3290

■ 22.6319, 0.6173,  
0.3317

■ 21.5138, 0.6363,  
0.3308

■ 21.3719, 0.6391,  
0.3308

# Harmonies

## Analogous

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



49.2529, 0.3660, 0.2926



49.2529, 0.4053, 0.3314



49.2529, 0.4168, 0.3724

# Triad

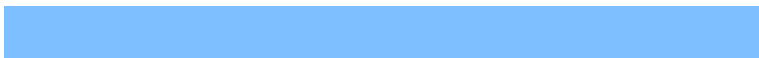
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.2529, 0.4053, 0.3314



49.2529, 0.3053, 0.4104



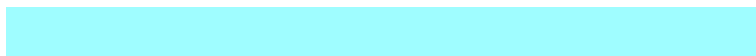
49.2529, 0.2311, 0.2501

# Complementary

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



49.2529, 0.4053, 0.3314



84.8107, 0.2598, 0.3266

# 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.



49.2529, 0.2184, 0.2731



49.2529, 0.4053, 0.3314



49.2529, 0.2585, 0.3680

# Square

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



49.2529, 0.4053, 0.3314



49.2529, 0.3565, 0.4238



49.2529, 0.2277, 0.3155



49.2529, 0.2644, 0.2474



# Rectangle

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



49.2529, 0.4053, 0.3314



49.2529, 0.4072, 0.3970



49.2529, 0.2277, 0.3155



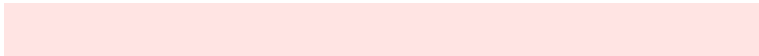
49.2529, 0.2245, 0.2554

# Sweetspot

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



49.2553, 0.4053, 0.3314



82.0377, 0.3324, 0.3296



53.1671, 0.3184, 0.2370



17.1253, 0.3351, 0.3297



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.



49.2553, 0.4053, 0.3314



42.7058, 0.4334, 0.3319



69.1569, 0.3861, 0.3804



18.0483, 0.3294, 0.3296



11.1962, 0.6386, 0.3311



1.1108, 0.6351, 0.3339



# Inverse Universe

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



84.8107, 0.2598, 0.3266



82.8049, 0.2517, 0.3261



58.4375, 0.2516, 0.2709



20.4119, 0.2980, 0.3285



39.4076, 0.2229, 0.3223



3.8570, 0.2231, 0.3231



# Previews

## White Background



This preview shows how the Yxy color 49.2529, 0.4053, 0.3314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

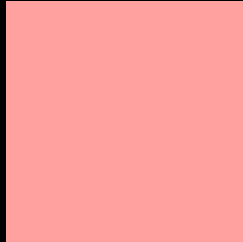
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.2529, 0.4053, 0.3314 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 49.2529, 0.4053, 0.3314**

## Background



This preview shows how black text looks on a background with the Yxy color 49.2529, 0.4053, 0.3314.



This preview shows how white text looks on a background with the Yxy color 49.2529, 0.4053, 0.3314.

# 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

49.2529, 0.4053, 0.3314

### Protanopia

49.5657, 0.3306, 0.3468

### Deuteranopia

49.6417, 0.3652, 0.3580



## Tritanopia

49.3419, 0.3937, 0.3177

# Trichromacy



## Original Color

49.2529, 0.4053, 0.3314

## Protanomaly

48.8332, 0.3564, 0.3411

## Deuteranomaly

49.1445, 0.3796, 0.3476

## Tritanomaly

49.1916, 0.3977, 0.3219

# Monochromacy



## Original Color

49.2529, 0.4053, 0.3314

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

49.6007, 0.3436, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2529, 0.4053, 0.3314 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, 161, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 159)  
}
```

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, 161, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2529, 0.4053, 0.3314 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, 161, 159) }
```

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

```
.border{ border-color:rgb(255, 161, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 161, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 161, 159); box-shadow:4px 4px 4px 4px rgb(255, 161, 159) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2529, 0.4053, 0.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 159) }
```

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

```
.background{ background-color: rgb(255,  
161, 159) }
```

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