

# Converting Colors

$Y_{xy}(49.9969, 0.4948, 0.3401)$

Have a look what the booklet for  
Yxy(49.9969, 0.4948, 0.3401)  
contains.

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# **Color**

**Yxy(39.9931, 0.4576, 0.3426)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF877A
RGB	255, 135, 122
RGB Percent	100%, 53%, 48%
CMY	0.0000, 0.4706, 0.5215
CMYK	0.00, 0.47, 0.52, 0.00
HSL	6°, 100%, 74%
HSV	6°, 52%, 100%
XYZ	53.4175, 39.9931, 23.3235
YIQ	169.3980, 75.6930, 21.3970

# Conversions

## Conversions Part 2

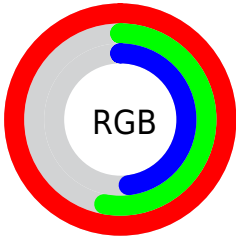
Format	Color
R <sub>Y</sub> B	255, 136, 122
Decimal	16746362
CIE Lab	69.46, 44.24, 27.69
CIE LCh	69, 52.188, 32.039
Yxy	39.9931, 0.4576, 0.3426
Android (android.graphics.Color)	4294936442 (0xFFFF877A)
YUV	169.3980, -23.3672, 75.0730
Hunter-Lab	63.2401, 40.1049, 22.4014

# Details

The Yxy color **39.9931, 0.4576, 0.3426** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **74.8719, 0.2423, 0.3136**, and the grayscale version is **39.9758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1821, 0.3799, 0.3449**, and **17.9850, 0.5010, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **33.7015, 0.5018, 0.3440**, and if you desaturate by 10%, it is **47.8421, 0.4181, 0.3403**.

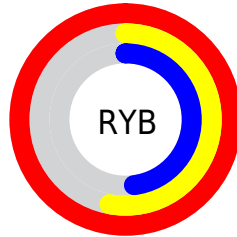
# Distribution



Red (100%)

Green (53%)

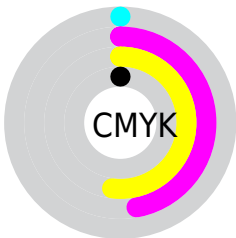
Blue (48%)



Red (100%)

Yellow (53%)

Blue (48%)

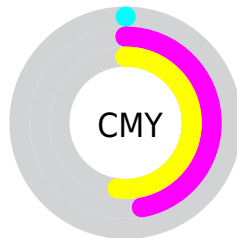


Cyan (0%)

Magenta (47%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (47%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9931, 0.4576, 0.3426 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 39.9931, 0.4576, 0.3426 by changing the saturation by 10% instead.





 39.9931, 0.4576,  
0.3426


 39.9931, 0.4576,  
0.3426

346.0945, 0.3829,  
0.3397


 27.5332, 0.4764,  
0.3419


 75.1530, 0.4302,  
0.3426

 17.9740, 0.5005,  
0.3402


 98.6218, 0.4200,  
0.3422

 10.9314, 0.5322,  
0.3364


 126.5289, 0.4114,  
0.3418

 6.0207, 0.5748,  
0.3284

159.2589, 0.4040,  
0.3414

 2.8577, 0.6405,  
0.3143

197.1960, 0.3976,  
0.3410

 1.0579, 0.7242,  
0.2758

240.7247, 0.3921,


 0.0000, 1.0000,


0.3405


0.0000

290.2294, 0.3872,  
0.3401

 0.0000, 0.0000,  
0.0000


 39.9931, 0.4576,  
0.3426


 39.9931, 0.4576,  
0.3426


 33.7015, 0.5018,  
0.3440


 47.8421, 0.4181,  
0.3403

 28.8574, 0.5475,  
0.3439


 57.3363, 0.3846,  
0.3376


 25.3469, 0.5890,  
0.3419

 68.5642, 0.3569,  
0.3348

 23.0356, 0.6197,  
0.3380

 81.6064, 0.3344,  
0.3321

 21.9506, 0.6341,  
0.3347

 96.5383, 0.3162,  
0.3295

99.9996, 0.3127,  
0.3290

# Harmonies

## Analogous

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



39.9931, 0.4084, 0.2888



39.9931, 0.4576, 0.3426



39.9931, 0.4600, 0.3990

# Triad

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



39.9931, 0.4576, 0.3426



39.9931, 0.2806, 0.4409



39.9931, 0.2067, 0.2143

# Complementary

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



39.9931, 0.4576, 0.3426



74.8719, 0.2423, 0.3136

# 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.



39.9931, 0.1825, 0.2360



39.9931, 0.4576, 0.3426



39.9931, 0.2201, 0.3661

# Square

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



39.9931, 0.4576, 0.3426



39.9931, 0.3538, 0.4706



39.9931, 0.1865, 0.2880



39.9931, 0.2582, 0.2186



# Rectangle

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



39.9931, 0.4576, 0.3426



39.9931, 0.4370, 0.4337



39.9931, 0.1865, 0.2880



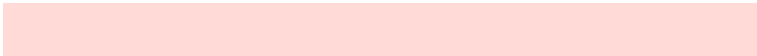
39.9931, 0.1956, 0.2184

# Sweetspot

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



39.9952, 0.4576, 0.3426



76.3634, 0.3425, 0.3331



41.7110, 0.3285, 0.2124



15.7694, 0.3472, 0.3337



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.



39.9952, 0.4576, 0.3426



33.2341, 0.5057, 0.3440



63.7851, 0.4176, 0.4079



18.2722, 0.3292, 0.3314



11.5636, 0.6326, 0.3359



1.2168, 0.6182, 0.3473



# Inverse Universe

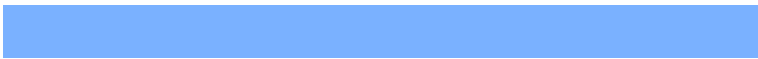
The Inverse Universe completely reimagines the original color for something new.



74.8719, 0.2423, 0.3136



71.5353, 0.2325, 0.3100



42.9733, 0.2257, 0.2316



20.1603, 0.2980, 0.3266



33.4975, 0.2161, 0.2980



3.3458, 0.2172, 0.3018



# Previews

## White Background



This preview shows how the Yxy color 39.9931, 0.4576, 0.3426 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

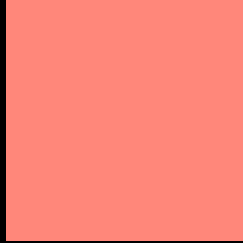
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.9931, 0.4576, 0.3426 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 39.9931, 0.4576, 0.3426**

## Background



This preview shows how black text looks on a background with the Yxy color 39.9931, 0.4576, 0.3426.



This preview shows how white text looks on a background with the Yxy color 39.9931, 0.4576, 0.3426.

# 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

39.9931, 0.4576, 0.3426

### Protanopia

40.2877, 0.3502, 0.3734

### Deuteranopia

40.1753, 0.3954, 0.3880



## Tritanopia

39.9881, 0.4363, 0.3201

# Trichromacy



## Original Color

39.9931, 0.4576, 0.3426

## Protanomaly

39.0453, 0.3879, 0.3610

## Deuteranomaly

39.6440, 0.4182, 0.3697

## Tritanomaly

40.0595, 0.4438, 0.3284

# Monochromacy



## Original Color

39.9931, 0.4576, 0.3426

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

38.6603, 0.3607, 0.3356

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.9931, 0.4576, 0.3426 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, 135, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 122)  
}
```

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, 135, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 39.9931, 0.4576, 0.3426 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, 135, 122) }
```

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

```
.border{ border-color:rgb(255, 135, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.9931, 0.4576, 0.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 122) }
```

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

```
.background{ background-color: rgb(255,  
135, 122) }
```

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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