

# Converting Colors

$Yxy(51.9919, 0.4382, 0.3402)$

Have a look what the booklet for  
Yxy(51.9919, 0.4382, 0.3402)  
contains.

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# Color

**Yxy(47.7890, 0.4197, 0.3419)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9E92
RGB	255, 158, 146
RGB Percent	100%, 62%, 57%
CMY	0.0000, 0.3804, 0.4275
CMYK	0.00, 0.38, 0.43, 0.00
HSL	7°, 100%, 79%
HSV	7°, 43%, 100%
XYZ	58.6635, 47.7890, 33.3223
YIQ	185.6350, 61.6640, 16.8320

# Conversions

## Conversions Part 2

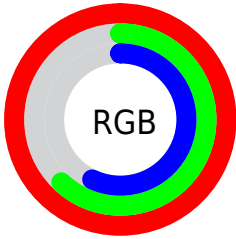
Format	Color
R <sub>Y</sub> B	255, 159, 146
Decimal	16752274
CIE Lab	74.69, 34.80, 21.59
CIE LCh	75, 40.949, 31.813
Yxy	47.7890, 0.4197, 0.3419
Android (android.graphics.Color)	4294942354 (0xFFFF9E92)
YUV	185.6350, -19.5401, 60.8331
Hunter-Lab	69.1296, 30.4986, 19.8113

# Details

The Yxy color **47.7890, 0.4197, 0.3419** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **77.4324, 0.2522, 0.3152**, and the grayscale version is **48.9684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5233, 0.3537, 0.3434**, and **22.5315, 0.4504, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **40.0388, 0.4591, 0.3444**, and if you desaturate by 10%, it is **57.1379, 0.3861, 0.3389**.

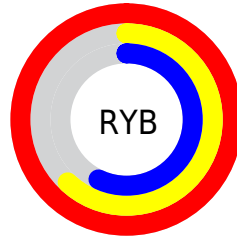
# Distribution



Red (100%)

Green (62%)

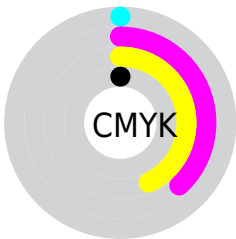
Blue (57%)



Red (100%)

Yellow (62%)

Blue (57%)

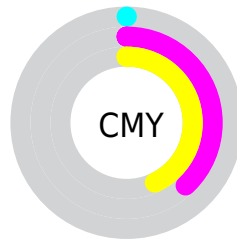


Cyan (0%)

Magenta (38%)

Yellow (43%)

Black (0%)



Cyan (0%)

Magenta (38%)


Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7890, 0.4197, 0.3419 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 47.7890, 0.4197, 0.3419 by changing the saturation by 10% instead.





 47.7890, 0.4197,  
0.3419


 47.7890, 0.4197,  
0.3419


377.9552, 0.3659,  
0.3377

 33.6598, 0.4330,  
0.3423


 86.8902, 0.4002,  
0.3409

 22.6324, 0.4500,  
0.3423


 112.6309, 0.3928,  
0.3403

 14.3223, 0.4723,  
0.3417


143.0110, 0.3866,  
0.3398

 8.3452, 0.5027,  
0.3395

178.4149, 0.3813,  
0.3393

 4.3166, 0.5458,  
0.3337

219.2268, 0.3767,  
0.3389

 1.8522, 0.6266,  
0.3272

265.8312, 0.3726,

 0.5194, 0.7362,

0.3384

0.2638

318.6125, 0.3691,  
0.3380

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

47.7890, 0.4197,  
0.3419

47.7890, 0.4197,  
0.3419

40.0388, 0.4591,  
0.3444

57.1379, 0.3861,  
0.3389

33.8079, 0.5031,  
0.3459

68.1805, 0.3583,  
0.3357

28.9929, 0.5483,  
0.3458

80.9907, 0.3356,  
0.3326

25.4819, 0.5892,  
0.3435

95.6415, 0.3171,  
0.3298

■ 23.1459, 0.6194,  
0.3391

100.0000, 0.3127,  
0.3290

■ 22.0937, 0.6329,  
0.3357

# Harmonies

## Analogous

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



47.7890, 0.3833, 0.2991



47.7890, 0.4197, 0.3419



47.7890, 0.4235, 0.3855

# Triad

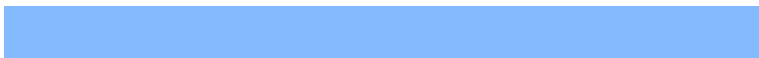
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.7890, 0.4197, 0.3419



47.7890, 0.2909, 0.4093



47.7890, 0.2315, 0.2411

# Complementary

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



47.7890, 0.4197, 0.3419



77.4324, 0.2522, 0.3152

# 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.



47.7890, 0.2122, 0.2600



47.7890, 0.4197, 0.3419



47.7890, 0.2438, 0.3574

# Square

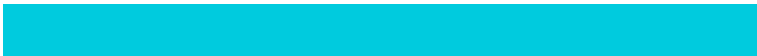
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.7890, 0.4197, 0.3419



47.7890, 0.3465, 0.4323



47.7890, 0.2162, 0.3009



47.7890, 0.2720, 0.2435



# Rectangle

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



47.7890, 0.4197, 0.3419



47.7890, 0.4079, 0.4105



47.7890, 0.2162, 0.3009



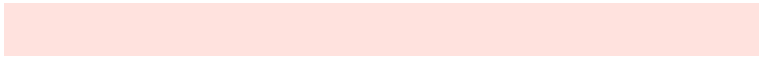
47.7890, 0.2225, 0.2449

# Sweetspot

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



47.7852, 0.4197, 0.3419



80.6464, 0.3361, 0.3327



48.3527, 0.3268, 0.2329



16.6253, 0.3407, 0.3334



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.



47.7852, 0.4197, 0.3419



41.2813, 0.4518, 0.3440



70.1208, 0.3945, 0.3962



18.3087, 0.3292, 0.3317



11.6470, 0.6312, 0.3370



1.2339, 0.6156, 0.3494

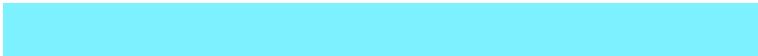


# Inverse Universe

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



77.4324, 0.2522, 0.3152



74.3009, 0.2431, 0.3121



49.9818, 0.2412, 0.2500



20.1197, 0.2980, 0.3263



32.5969, 0.2150, 0.2939



3.2673, 0.2162, 0.2983



# Previews

## White Background



This preview shows how the Yxy color 47.7890, 0.4197, 0.3419 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 47.7890, 0.4197, 0.3419 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 47.7890, 0.4197, 0.3419**

## Background



This preview shows how black text looks on a background with the Yxy color 47.7890, 0.4197, 0.3419.



This preview shows how white text looks on a background with the Yxy color 47.7890, 0.4197, 0.3419.

# 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

47.7890, 0.4197, 0.3419

### Protanopia

48.0871, 0.3416, 0.3626

### Deuteranopia

48.0264, 0.3778, 0.3703



## Tritanopia

47.8270, 0.3992, 0.3177

# Trichromacy



**Original Color**

47.7890, 0.4197, 0.3419

**Protanomaly**

47.5920, 0.3687, 0.3546

**Deuteranomaly**

47.5861, 0.3929, 0.3593

**Tritanomaly**

47.8771, 0.4070, 0.3272

# Monochromacy



**Original Color**

47.7890, 0.4197, 0.3419

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

47.8398, 0.3485, 0.3352

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.7890, 0.4197, 0.3419 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, 158, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 146)  
}
```

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, 158, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 47.7890, 0.4197, 0.3419 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, 158, 146) }
```

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

```
.border{ border-color:rgb(255, 158, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.7890, 0.4197, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 146) }
```

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

```
.background{ background-color: rgb(255,  
158, 146) }
```

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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