

# Converting Colors

$Yxy(67.5063, 0.4846, 0.3491)$

Have a look what the booklet for  
Yxy(67.5063, 0.4846, 0.3491)  
contains.

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# Color

**Yxy(49.6459, 0.4244, 0.3565)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA48A
RGB	255, 164, 138
RGB Percent	100%, 64%, 54%
CMY	0.0000, 0.3568, 0.4588
CMYK	0.00, 0.36, 0.46, 0.00
HSL	13°, 100%, 77%
HSV	13°, 46%, 100%
XYZ	59.1016, 49.6459, 30.5117
YIQ	188.2450, 62.5820, 11.2060

# Conversions

## Conversions Part 2

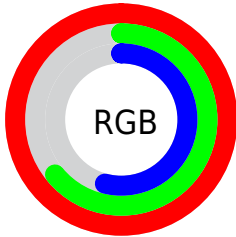
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 171, 138
Decimal	16753802
CIE <sub>Lab</sub>	75.85, 30.86, 27.49
CIE <sub>LCh</sub>	76, 41.323, 41.696
Yxy	49.6459, 0.4244, 0.3565
Android (android.graphics.Color)	4294943882 (0xFFFFA48A)
YUV	188.2450, -24.7708, 58.5441
Hunter-Lab	70.4598, 26.4208, 23.6472

# Details

The Yxy color **49.6459, 0.4244, 0.3565** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **68.6536, 0.2458, 0.2984**, and the grayscale version is **50.5544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2522, 0.3582, 0.3577**, and **23.6756, 0.4548, 0.3595** is the 20% darker color. If you saturate the color by 10%, you get **42.4409, 0.4614, 0.3614**, and if you desaturate by 10%, it is **58.1359, 0.3920, 0.3506**.

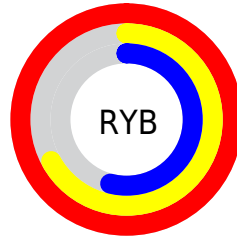
# Distribution



Red (100%)

Green (64%)

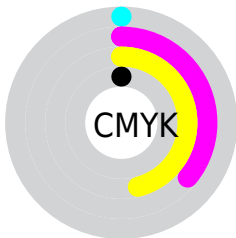
Blue (54%)



Red (100%)

Yellow (67%)

Blue (54%)

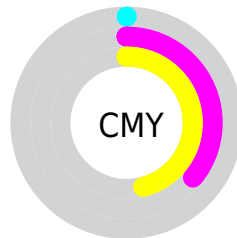


Cyan (0%)

Magenta (36%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (36%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6459, 0.4244, 0.3565 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 49.6459, 0.4244, 0.3565 by changing the saturation by 10% instead.




 49.6459, 0.4244,  
0.3565

 49.6459, 0.4244,  
0.3565


385.2796, 0.3688,  
0.3455

 35.1321, 0.4380,  
0.3583


 89.6500, 0.4044,  
0.3532

 23.7647, 0.4551,  
0.3601


 115.9091, 0.3968,  
0.3517

 15.1591, 0.4774,  
0.3616


 146.8521, 0.3903,  
0.3504

 8.9312, 0.5071,  
0.3620

182.8635, 0.3848,  
0.3493

 4.6963, 0.5481,  
0.3591

224.3275, 0.3800,  
0.3482

 2.0702, 0.6359,  
0.3641

271.6286, 0.3758,

 0.6478, 0.6965,

0.3472

0.3035

325.1511, 0.3721,  
0.3463

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.6459, 0.4244,  
0.3565

49.6459, 0.4244,  
0.3565

42.4409, 0.4614,  
0.3614

58.1359, 0.3920,  
0.3506

36.4500, 0.5018,  
0.3643

67.9625, 0.3645,  
0.3443

31.6066, 0.5425,  
0.3641

79.1833, 0.3415,  
0.3381

27.8343, 0.5793,  
0.3601

91.8503, 0.3224,  
0.3323

■ 25.0463, 0.6074,  
0.3523

99.9991, 0.3127,  
0.3290

■ 24.1547, 0.6164,  
0.3488

# Harmonies

## Analogous

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



49.6459, 0.3980, 0.3127



49.6459, 0.4244, 0.3565



49.6459, 0.4171, 0.3983

# Triad

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



49.6459, 0.4244, 0.3565



49.6459, 0.2739, 0.3941



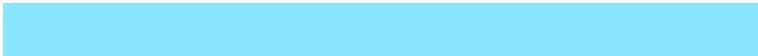
49.6459, 0.2429, 0.2400

# Complementary

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



49.6459, 0.4244, 0.3565



68.6536, 0.2458, 0.2984

# 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.



49.6459, 0.2164, 0.2516



49.6459, 0.4244, 0.3565



49.6459, 0.2325, 0.3380

# Square

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



49.6459, 0.4244, 0.3565



49.6459, 0.3281, 0.4284



49.6459, 0.2126, 0.2853



49.6459, 0.2892, 0.2488



# Rectangle

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



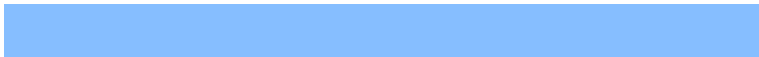
49.6459, 0.4244, 0.3565



49.6459, 0.3954, 0.4199



49.6459, 0.2126, 0.2853



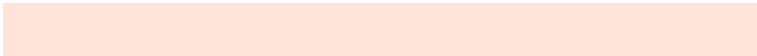
49.6459, 0.2316, 0.2415

# Sweetspot

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



49.6484, 0.4244, 0.3565



81.4580, 0.3376, 0.3370



45.1293, 0.3405, 0.2380



16.8788, 0.3421, 0.3383



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.



49.6484, 0.4244, 0.3565



43.0281, 0.4580, 0.3610



75.2551, 0.3952, 0.4136



18.6418, 0.3289, 0.3344



12.8017, 0.6138, 0.3509



1.4004, 0.5926, 0.3676



# Inverse Universe

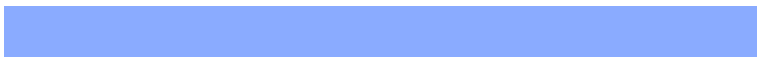
The Inverse Universe completely reimagines the original color for something new.



68.6536, 0.2458, 0.2984



64.0628, 0.2350, 0.2912



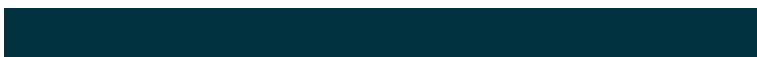
41.8049, 0.2327, 0.2256



19.7560, 0.2980, 0.3236



25.1829, 0.2043, 0.2555



2.6126, 0.2069, 0.2649



# Previews

## White Background



This preview shows how the Yxy color 49.6459, 0.4244, 0.3565 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

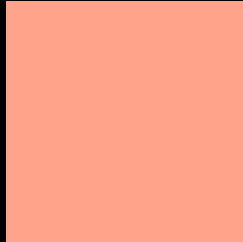
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.6459, 0.4244, 0.3565 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

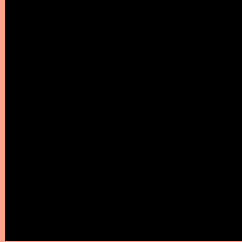
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.6459, 0.4244, 0.3565**

## Background



This preview shows how black text looks on a background with the Yxy color 49.6459, 0.4244, 0.3565.



This preview shows how white text looks on a background with the Yxy color 49.6459, 0.4244, 0.3565.

# 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

49.6459, 0.4244, 0.3565

### Protanopia

49.8209, 0.3545, 0.3784

### Deuteranopia

49.5191, 0.3895, 0.3811



## Tritanopia

49.7283, 0.3924, 0.3177

# Trichromacy



**Original Color**

49.6459, 0.4244, 0.3565

**Protanomaly**

49.3139, 0.3789, 0.3710

**Deuteranomaly**

49.5421, 0.4021, 0.3722

**Tritanomaly**

49.6387, 0.4039, 0.3314

# Monochromacy



**Original Color**

49.6459, 0.4244, 0.3565

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

49.1395, 0.3496, 0.3400

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.6459, 0.4244, 0.3565 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, 164, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 138)  
}
```

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, 164, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 49.6459, 0.4244, 0.3565 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, 164, 138) }
```

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

```
.border{ border-color:rgb(255, 164, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 164, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.6459, 0.4244, 0.3565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 138) }
```

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

```
.background{ background-color: rgb(255,  
164, 138) }
```

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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