

# Converting Colors

$Y_{xy}(90.0436, 0.4974, 0.3413)$

Have a look what the booklet for  
Yxy(90.0436, 0.4974, 0.3413)  
contains.

<b>Yxy(54.7450, 0.4010, 0.3493)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(54.7450, 0.4010, 0.3493)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB09D
RGB	255, 176, 157
RGB Percent	100%, 69%, 62%
CMY	0.0000, 0.3098, 0.3845
CMYK	0.00, 0.31, 0.38, 0.00
HSL	12°, 100%, 81%
HSV	12°, 38%, 100%
XYZ	62.8478, 54.7450, 39.1349
YIQ	197.4550, 53.1830, 10.8390

# Conversions

## Conversions Part 2

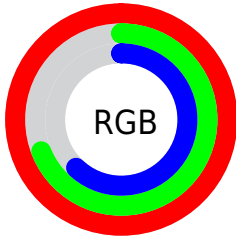
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 181, 157
Decimal	16756893
CIE Lab	78.89, 26.57, 21.41
CIE LCh	79, 34.126, 38.860
Yxy	54.7450, 0.4010, 0.3493
Android (android.graphics.Color)	4294946973 (0xFFFFB09D)
YUV	197.4550, -19.9443, 50.4670
Hunter-Lab	73.9899, 22.1376, 20.4331

# Details

The Yxy color **54.7450, 0.4010, 0.3493** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **74.3452, 0.2559, 0.3073**, and the grayscale version is **56.2233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7267, 0.3418, 0.3491**, and **26.9423, 0.4241, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **46.5090, 0.4355, 0.3543**, and if you desaturate by 10%, it is **64.3873, 0.3717, 0.3439**.

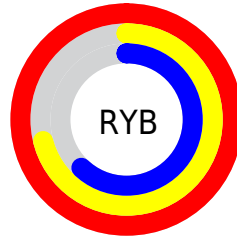
# Distribution



Red (100%)

Green (69%)

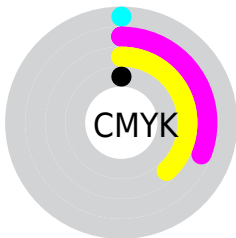
Blue (62%)



Red (100%)

Yellow (71%)

Blue (62%)

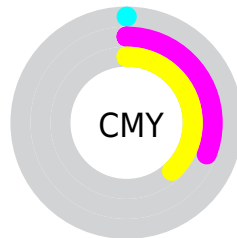


Cyan (0%)

Magenta (31%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.7450, 0.4010, 0.3493 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 54.7450, 0.4010, 0.3493 by changing the saturation by 10% instead.





 54.7450, 0.4010,  
0.3493


 54.7450, 0.4010,  
0.3493

404.9446, 0.3576,  
0.3410

 39.1976, 0.4115,  
0.3508


 97.1672, 0.3855,  
0.3467

 26.9135, 0.4247,  
0.3525


 124.8109, 0.3796,  
0.3456

 17.5083, 0.4419,  
0.3542


157.2554, 0.3745,  
0.3446

 10.5975, 0.4651,  
0.3556

194.8851, 0.3702,  
0.3437

 5.7969, 0.4975,  
0.3558

238.0845, 0.3664,  
0.3429

 2.7220, 0.5462,  
0.3527

287.2380, 0.3631,

 0.9884, 0.6486,

0.3422

0.3514

342.7299, 0.3602,  
0.3416

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

54.7450, 0.4010,  
0.3493

54.7450, 0.4010,  
0.3493

46.5090, 0.4355,  
0.3543

64.3873, 0.3717,  
0.3439

39.6054, 0.4746,  
0.3581

75.4895, 0.3472,  
0.3384

33.9654, 0.5166,  
0.3598

88.1122, 0.3270,  
0.3331

29.5106, 0.5578,  
0.3585

99.9996, 0.3127,  
0.3290

■ 26.1535, 0.5932,  
0.3537

■ 23.7910, 0.6183,  
0.3459

■ 23.5024, 0.6214,  
0.3448

# Harmonies

## Analogous

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



54.7450, 0.3776, 0.3132



54.7450, 0.4010, 0.3493



54.7450, 0.3984, 0.3835

# Triad

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



54.7450, 0.4010, 0.3493



54.7450, 0.2860, 0.3837



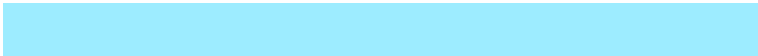
54.7450, 0.2534, 0.2566

# Complementary

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



54.7450, 0.4010, 0.3493



74.3452, 0.2559, 0.3073

# 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.



54.7450, 0.2329, 0.2686



54.7450, 0.4010, 0.3493



54.7450, 0.2505, 0.3411

# Square

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



54.7450, 0.4010, 0.3493



54.7450, 0.3303, 0.4084



54.7450, 0.2318, 0.2984



54.7450, 0.2901, 0.2619



# Rectangle

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



54.7450, 0.4010, 0.3493



54.7450, 0.3828, 0.4008



54.7450, 0.2318, 0.2984



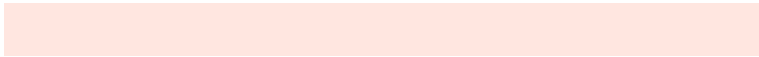
54.7450, 0.2445, 0.2586

# Sweetspot

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



54.7476, 0.4010, 0.3493



83.4499, 0.3337, 0.3350



51.4764, 0.3321, 0.2493



17.5054, 0.3363, 0.3357



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.



54.7476, 0.4010, 0.3493



48.3991, 0.4266, 0.3531



76.9786, 0.3817, 0.3972



18.5582, 0.3290, 0.3337



12.4420, 0.6190, 0.3467



1.3541, 0.5987, 0.3628

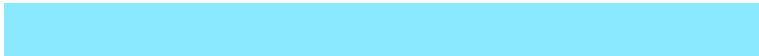


# Inverse Universe

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



74.3452, 0.2559, 0.3073



70.4277, 0.2463, 0.3023



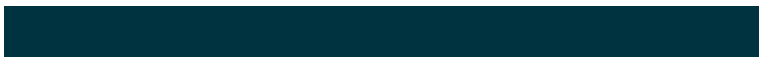
50.3533, 0.2472, 0.2493



19.8462, 0.2980, 0.3243



26.9129, 0.2070, 0.2653



2.7668, 0.2093, 0.2734



# Previews

## White Background



This preview shows how the Yxy color 54.7450, 0.4010, 0.3493 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

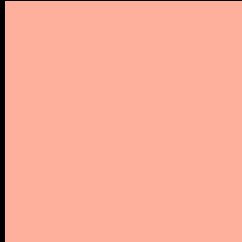
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.7450, 0.4010, 0.3493 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

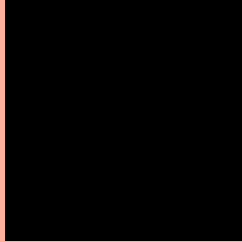
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.7450, 0.4010, 0.3493**

## Background



This preview shows how black text looks on a background with the Yxy color 54.7450, 0.4010, 0.3493.



This preview shows how white text looks on a background with the Yxy color 54.7450, 0.4010, 0.3493.

# 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

54.7450, 0.4010, 0.3493

### Protanopia

54.9052, 0.3441, 0.3643

### Deuteranopia

54.9910, 0.3751, 0.3669



## Tritanopia

54.6923, 0.3753, 0.3156

# Trichromacy



## Original Color

54.7450, 0.4010, 0.3493

## Protanomaly

54.4581, 0.3640, 0.3582

## Deuteranomaly

54.8584, 0.3837, 0.3604

## Tritanomaly

54.6272, 0.3852, 0.3282

# Monochromacy



## Original Color

54.7450, 0.4010, 0.3493

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

54.6780, 0.3427, 0.3373

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.7450, 0.4010, 0.3493 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, 176, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 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, 176, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 54.7450, 0.4010, 0.3493 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, 176, 157) }
```

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

```
.border{ border-color:rgb(255, 176, 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, 176, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 157);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.7450, 0.4010, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 157) }
```

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

```
.background{ background-color: rgb(255,  
176, 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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