

# Converting Colors

$Y_{xy}(55.3258, 0.4296, 0.3538)$

Have a look what the booklet for  
Yxy(55.3258, 0.4296, 0.3538)  
contains.

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# Color

**Yxy(52.0538, 0.4148, 0.3555)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAA91
RGB	255, 170, 145
RGB Percent	100%, 67%, 57%
CMY	0.0000, 0.3334, 0.4314
CMYK	0.00, 0.33, 0.43, 0.00
HSL	14°, 100%, 78%
HSV	14°, 43%, 100%
XYZ	60.7368, 52.0538, 33.6336
YIQ	192.5650, 58.6850, 10.2450

# Conversions

## Conversions Part 2

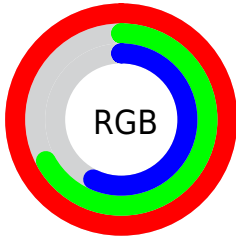
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 177, 145
Decimal	16755345
CIE Lab	77.31, 28.46, 25.69
CIE LCh	77, 38.335, 42.073
Yxy	52.0538, 0.4148, 0.3555
Android (android.graphics.Color)	4294945425 (0xFFFFAA91)
YUV	192.5650, -23.4495, 54.7555
Hunter-Lab	72.1483, 24.0074, 22.8644

# Details

The Yxy color **52.0538, 0.4148, 0.3555** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **69.8410, 0.2492, 0.2999**, and the grayscale version is **53.1681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7762, 0.3519, 0.3565**, and **25.2665, 0.4434, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **44.5056, 0.4504, 0.3609**, and if you desaturate by 10%, it is **60.8756, 0.3838, 0.3493**.

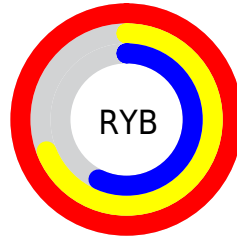
# Distribution



Red (100%)

Green (67%)

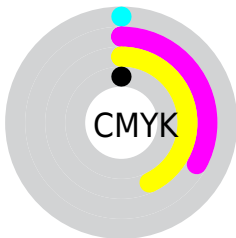
Blue (57%)



Red (100%)

Yellow (69%)

Blue (57%)

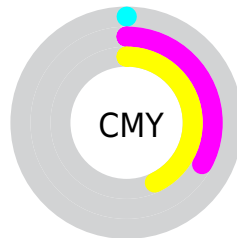


Cyan (0%)

Magenta (33%)

Yellow (43%)

Black (0%)



Cyan (0%)

Magenta (33%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0538, 0.4148, 0.3555 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 52.0538, 0.4148, 0.3555 by changing the saturation by 10% instead.





 52.0538, 0.4148,  
0.3555


 52.0538, 0.4148,  
0.3555


394.6443, 0.3643,  
0.3447

 37.0480, 0.4271,  
0.3574


 93.2106, 0.3967,  
0.3521

 25.2446, 0.4425,  
0.3595


 120.1303, 0.3898,  
0.3507

 16.2594, 0.4626,  
0.3614


151.7901, 0.3839,  
0.3494

 9.7079, 0.4894,  
0.3628

188.5744, 0.3789,  
0.3483

 5.2057, 0.5267,  
0.3620

230.8676, 0.3745,  
0.3472

 2.3685, 0.5928,  
0.3626

279.0540, 0.3707,

 0.8096, 0.6682,

0.3463

0.3318

333.5181, 0.3673,  
0.3455

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.0538, 0.4148,  
0.3555

52.0538, 0.4148,  
0.3555

44.5056, 0.4504,  
0.3609

60.8756, 0.3838,  
0.3493

38.1856, 0.4899,  
0.3645

71.0437, 0.3577,  
0.3429

33.0224, 0.5307,  
0.3654

82.6063, 0.3358,  
0.3367

28.9431, 0.5689,  
0.3625

95.6137, 0.3177,  
0.3308

■ 25.8656, 0.5998, 100.0000, 0.3127,  
0.3556 0.3290

■ 24.2783, 0.6154,  
0.3495

# Harmonies

## Analogous

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



52.0538, 0.3910, 0.3149



52.0538, 0.4148, 0.3555



52.0538, 0.4081, 0.3937

# Triad

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



52.0538, 0.4148, 0.3555



52.0538, 0.2769, 0.3874



52.0538, 0.2490, 0.2469

# Complementary

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



52.0538, 0.4148, 0.3555



69.8410, 0.2492, 0.2999

# 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.



52.0538, 0.2241, 0.2578



52.0538, 0.4148, 0.3555



52.0538, 0.2387, 0.3369

# Square

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



52.0538, 0.4148, 0.3555



52.0538, 0.3267, 0.4189



52.0538, 0.2204, 0.2890



52.0538, 0.2920, 0.2552



# Rectangle

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



52.0538, 0.4148, 0.3555



52.0538, 0.3884, 0.4128



52.0538, 0.2204, 0.2890



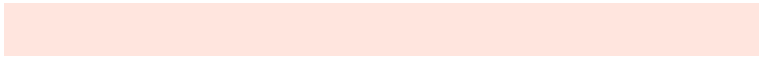
52.0538, 0.2385, 0.2483

# Sweetspot

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



52.0486, 0.4148, 0.3555



82.7750, 0.3356, 0.3366



47.2897, 0.3384, 0.2432



17.1438, 0.3400, 0.3379



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.



52.0486, 0.4148, 0.3555



45.3006, 0.4461, 0.3603



76.5261, 0.3897, 0.4088



18.6562, 0.3289, 0.3345



12.8689, 0.6128, 0.3516



1.4088, 0.5916, 0.3685



# Inverse Universe

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



69.8410, 0.2492, 0.2999



65.1726, 0.2382, 0.2928



44.3558, 0.2378, 0.2329



19.7404, 0.2980, 0.3235



24.8923, 0.2038, 0.2538



2.5866, 0.2065, 0.2634



# Previews

## White Background



This preview shows how the Yxy color 52.0538, 0.4148, 0.3555 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

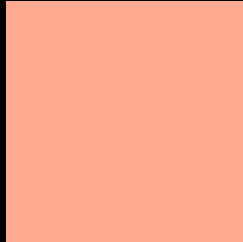
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.0538, 0.4148, 0.3555 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 52.0538, 0.4148, 0.3555**

## Background



This preview shows how black text looks on a background with the Yxy color 52.0538, 0.4148, 0.3555.



This preview shows how white text looks on a background with the Yxy color 52.0538, 0.4148, 0.3555.

# 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

52.0538, 0.4148, 0.3555

### Protanopia

52.3247, 0.3512, 0.3737

### Deuteranopia

51.9887, 0.3854, 0.3768



## Tritanopia

52.1118, 0.3846, 0.3176

# Trichromacy



## Original Color

52.0538, 0.4148, 0.3555

## Protanomaly

51.6309, 0.3740, 0.3668

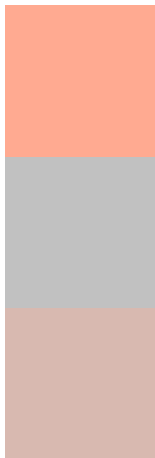
## Deuteranomaly

51.8285, 0.3967, 0.3684

## Tritanomaly

52.0184, 0.3957, 0.3314

# Monochromacy



## Original Color

52.0538, 0.4148, 0.3555

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

52.4314, 0.3467, 0.3398

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0538, 0.4148, 0.3555 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, 170, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 145)  
}
```

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, 170, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0538, 0.4148, 0.3555 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, 170, 145) }
```

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

```
.border{ border-color:rgb(255, 170, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0538, 0.4148, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 145) }
```

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

```
.background{ background-color: rgb(255,  
170, 145) }
```

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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