

# Converting Colors

$Y_{xy}(52.1389, 0.4369, 0.3839)$

Have a look what the booklet for  
Yxy(52.1389, 0.4369, 0.3839)  
contains.

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# Color

**Yxy(52.0970, 0.4368, 0.3836)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFAC77
RGB	255, 172, 119
RGB Percent	100%, 67%, 47%
CMY	0.0000, 0.3255, 0.5332
CMYK	0.00, 0.33, 0.53, 0.00
HSL	23°, 100%, 73%
HSV	23°, 53%, 100%
XYZ	59.3221, 52.0970, 24.3916
YIQ	190.7750, 66.4810, 1.1130

# Conversions

## Conversions Part 2

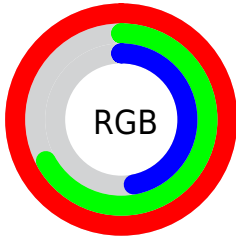
Format	Color
R <sub>Y</sub> B	255, 206, 119
Decimal	16755831
CIE Lab	77.34, 24.97, 39.46
CIE LCh	77, 46.701, 57.672
Yxy	52.0970, 0.4368, 0.3836
Android (android.graphics.Color)	4294945911 (0xFFFFAC77)
YUV	190.7750, -35.3851, 56.3253
Hunter-Lab	72.1783, 20.3943, 30.4886

# Details

The Yxy color **52.0970, 0.4368, 0.3836** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **53.3933, 0.2309, 0.2635**, and the grayscale version is **52.1462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7254, 0.3700, 0.3860**, and **25.2254, 0.4692, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **45.9849, 0.4693, 0.3909**, and if you desaturate by 10%, it is **59.0725, 0.4066, 0.3741**.

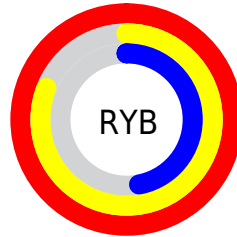
# Distribution



Red (100%)

Green (67%)

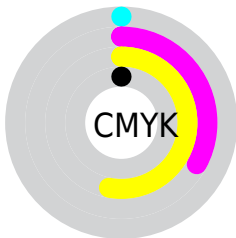
Blue (47%)



Red (100%)

Yellow (81%)

Blue (47%)

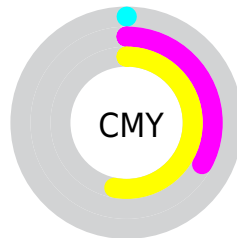


Cyan (0%)

Magenta (33%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (33%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0970, 0.4368, 0.3836 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 52.0970, 0.4368, 0.3836 by changing the saturation by 10% instead.





 52.0970, 0.4368,  
0.3836

 52.0970, 0.4368,  
0.3836


394.8110, 0.3763,  
0.3606

 37.0824, 0.4510,  
0.3878


 93.2743, 0.4154,  
0.3763

 25.2713, 0.4685,  
0.3924


 120.2057, 0.4072,  
0.3733

 16.2793, 0.4905,  
0.3969


 151.8783, 0.4001,  
0.3705

 9.7220, 0.5185,  
0.4004

188.6763, 0.3940,  
0.3681

 5.2150, 0.5567,  
0.4020

230.9842, 0.3887,  
0.3659

 2.3740, 0.6059,  
0.3941

279.1863, 0.3841,

 0.8125, 0.6495,

0.3640

333.6671, 0.3799,  
0.3622

0.3505

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.0970, 0.4368,  
0.3836

52.0970, 0.4368,  
0.3836

45.9849, 0.4693,  
0.3909

59.0725, 0.4066,  
0.3741

40.6910, 0.5024,  
0.3948

66.9383, 0.3796,  
0.3636

36.1773, 0.5339,  
0.3939

75.7294, 0.3559,  
0.3528

32.3979, 0.5609,  
0.3875

85.4766, 0.3355,  
0.3422

30.2499, 0.5759,  
0.3809

96.2091, 0.3179,  
0.3322

99.9988, 0.3127,  
0.3290

# Harmonies

## Analogous

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



52.0970, 0.4278, 0.3356



52.0970, 0.4368, 0.3836



52.0970, 0.4095, 0.4249

# Triad

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



52.0970, 0.4368, 0.3836



52.0970, 0.2425, 0.3694



52.0970, 0.2603, 0.2339

# Complementary

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



52.0970, 0.4368, 0.3836



53.3933, 0.2309, 0.2635

# Split Complementary

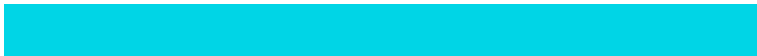
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



52.0970, 0.2192, 0.2340



52.0970, 0.4368, 0.3836



52.0970, 0.2094, 0.3051

# Square

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



52.0970, 0.4368, 0.3836



52.0970, 0.2962, 0.4248



52.0970, 0.2018, 0.2573



52.0970, 0.3197, 0.2540



# Rectangle

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



52.0970, 0.4368, 0.3836



52.0970, 0.3767, 0.4413



52.0970, 0.2018, 0.2573



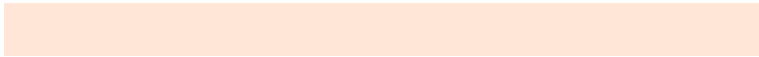
52.0970, 0.2441, 0.2315

# Sweetspot

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



52.0996, 0.4368, 0.3836



82.7730, 0.3406, 0.3450



38.7660, 0.3705, 0.2451



17.2819, 0.3448, 0.3472



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.



52.0996, 0.4368, 0.3836



45.6016, 0.4715, 0.3913



84.4014, 0.3980, 0.4450



19.1478, 0.3285, 0.3383



16.0759, 0.5730, 0.3833

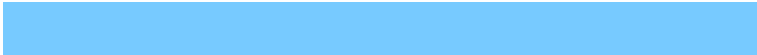


1.7700, 0.5519, 0.4000



# Inverse Universe

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



53.3933, 0.2309, 0.2635



46.9262, 0.2171, 0.2475



28.4424, 0.2131, 0.1766



19.2234, 0.2979, 0.3195



16.4328, 0.1877, 0.1957



1.8125, 0.1924, 0.2125



# Previews

## White Background



This preview shows how the Yxy color 52.0970, 0.4368, 0.3836 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 52.0970, 0.4368, 0.3836 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

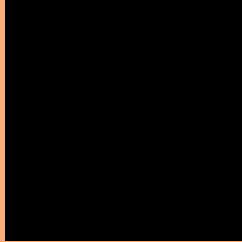
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.0970, 0.4368, 0.3836**

## Background



This preview shows how black text looks on a background with the Yxy color 52.0970, 0.4368, 0.3836.



This preview shows how white text looks on a background with the Yxy color 52.0970, 0.4368, 0.3836.

# 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

52.0970, 0.4368, 0.3836

### Protanopia

52.2038, 0.3779, 0.4070

### Deuteranopia

52.3071, 0.4115, 0.4029



## Tritanopia

52.1118, 0.3846, 0.3176

# Trichromacy



## Original Color

52.0970, 0.4368, 0.3836



## Protanomaly

51.7438, 0.3990, 0.3983



## Deuteranomaly

52.0735, 0.4202, 0.3955



## Tritanomaly

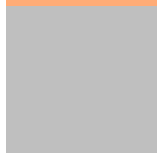
52.0703, 0.4039, 0.3419

# Monochromacy



## Original Color

52.0970, 0.4368, 0.3836



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

51.2937, 0.3545, 0.3520

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0970, 0.4368, 0.3836 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, 172, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 172, 119)  
}
```

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, 172, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0970, 0.4368, 0.3836 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, 172, 119) }
```

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

```
.border{ border-color:rgb(255, 172, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 172, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0970, 0.4368, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 172, 119) }
```

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

```
.background{ background-color: rgb(255,  
172, 119) }
```

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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