

# Converting Colors

$Y_{xy}(56.2768, 0.4358, 0.3741)$

Have a look what the booklet for  
Yxy(56.2768, 0.4358, 0.3741)  
contains.

|   |    |
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# Color

**Yxy(53.9224, 0.4250, 0.3770)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | FFB082                    |
| RGB           | 255, 176, 130             |
| RGB Percent   | 100%, 69%, 51%            |
| CMY           | 0.0001, 0.3097, 0.4902    |
| CMYK          | 0.00, 0.31, 0.49, 0.00    |
| HSL           | 22°, 100%, 75%            |
| HSV           | 22°, 49%, 100%            |
| XYZ           | 60.7879, 53.9224, 28.3200 |
| YIQ           | 194.3770, 61.8500, 2.4420 |

# Conversions

## Conversions Part 2

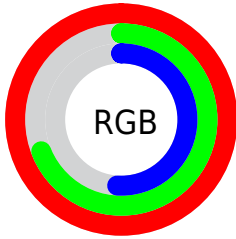
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 255, 203, 130                  |
| Decimal                             | 16756866                       |
| CIE <sub>Lab</sub>                  | 78.42, 23.82, 35.12            |
| CIE <sub>LCh</sub>                  | 78, 42.437, 55.854             |
| Yxy                                 | 53.9224, 0.4250,<br>0.3770     |
| Android<br>(android.graphics.Color) | 4294946946<br>(0xFFFFB082)     |
| YUV                                 | 194.3770, -31.7379,<br>53.1664 |
| Hunter-Lab                          | 73.4319, 19.2588,<br>28.5363   |

# Details

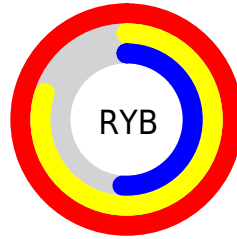
The Yxy color **53.9224, 0.4250, 0.3770** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **57.5403, 0.2376, 0.2732**, and the grayscale version is **54.3491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3921, 0.3614, 0.3787**, and **26.3472, 0.4536, 0.3851** is the 20% darker color. If you saturate the color by 10%, you get **47.3758, 0.4575, 0.3849**, and if you desaturate by 10%, it is **61.3935, 0.3955, 0.3675**.

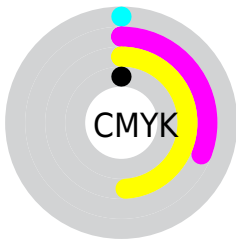
# Distribution



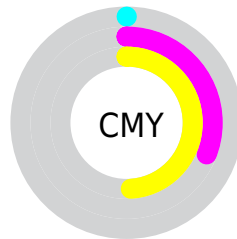
- Red (100%)
- Green (69%)
- Blue (51%)



- Red (100%)
- Yellow (80%)
- Blue (51%)



- Cyan (0%)
- Magenta (31%)
- Yellow (49%)
- Black (0%)




- Cyan (0%)
- Magenta (31%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9224, 0.4250, 0.3770 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 53.9224, 0.4250, 0.3770 by changing the saturation by 10% instead.





 53.9224, 0.4250,  
0.3770


 53.9224, 0.4250,  
0.3770


401.8140, 0.3702,  
0.3565


 38.5396, 0.4379,  
0.3809


 95.9603, 0.4056,  
0.3704

 26.4018, 0.4540,  
0.3853


 123.3842, 0.3982,  
0.3677

 17.1245, 0.4744,  
0.3899


 155.5906, 0.3918,  
0.3653

 10.3233, 0.5007,  
0.3941

192.9639, 0.3863,  
0.3631

 5.6138, 0.5353,  
0.3962

235.8885, 0.3815,  
0.3612

 2.6117, 0.5977,  
0.4023

284.7488, 0.3773,

 0.9326, 0.6367,

0.3595

0.3633

339.9292, 0.3736,  
0.3579

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

53.9224, 0.4250,  
0.3770

53.9224, 0.4250,  
0.3770

47.3758, 0.4575,  
0.3849

61.3935, 0.3955,  
0.3675

41.7068, 0.4916,  
0.3899

69.8175, 0.3694,  
0.3573

36.8760, 0.5252,  
0.3907

79.2311, 0.3469,  
0.3472

32.8368, 0.5553,  
0.3864

89.6666, 0.3276,  
0.3373

■ 29.5320, 0.5796,  
0.3772

99.9956, 0.3127,  
0.3290

■ 29.2426, 0.5818,  
0.3762

# Harmonies

## Analogous

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



53.9224, 0.4144, 0.3331



53.9224, 0.4250, 0.3770



53.9224, 0.4028, 0.4144

# Triad

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



53.9224, 0.4250, 0.3770



53.9224, 0.2521, 0.3687



53.9224, 0.2627, 0.2418

# Complementary

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



53.9224, 0.4250, 0.3770



57.5403, 0.2376, 0.2732

# Split Complementary

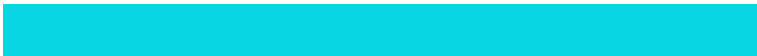
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



53.9224, 0.2262, 0.2435



53.9224, 0.4250, 0.3770



53.9224, 0.2202, 0.3114

# Square

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



53.9224, 0.4250, 0.3770



53.9224, 0.3018, 0.4162



53.9224, 0.2115, 0.2667



53.9224, 0.3158, 0.2592



# Rectangle

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



53.9224, 0.4250, 0.3770



53.9224, 0.3741, 0.4293



53.9224, 0.2115, 0.2667



53.9224, 0.2483, 0.2401

# Sweetspot

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



53.9251, 0.4250, 0.3770



83.3167, 0.3388, 0.3431



41.8297, 0.3618, 0.2492



17.3718, 0.3430, 0.3452



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.



53.9251, 0.4250, 0.3770



47.3964, 0.4574, 0.3849



84.1981, 0.3924, 0.4352



19.0825, 0.3285, 0.3378



15.5430, 0.5789, 0.3786

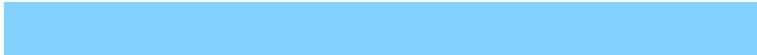


1.7135, 0.5574, 0.3956



# Inverse Universe

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



57.5403, 0.2376, 0.2732



51.3177, 0.2243, 0.2593



32.7246, 0.2223, 0.1933



19.2908, 0.2979, 0.3200



17.4039, 0.1898, 0.2033



1.9034, 0.1942, 0.2192



# Previews

## White Background



This preview shows how the Yxy color 53.9224, 0.4250, 0.3770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

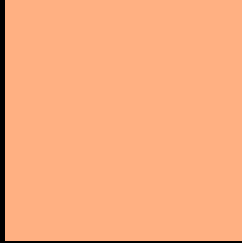
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.9224, 0.4250, 0.3770 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

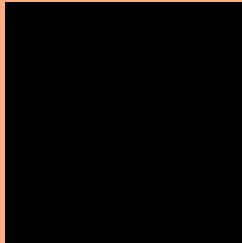
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.9224, 0.4250, 0.3770**

## Background



This preview shows how black text looks on a background with the Yxy color 53.9224, 0.4250, 0.3770.



This preview shows how white text looks on a background with the Yxy color 53.9224, 0.4250, 0.3770.

# 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

53.9224, 0.4250, 0.3770

### Protanopia

54.1202, 0.3699, 0.3967

### Deuteranopia

54.0000, 0.4019, 0.3942



## Tritanopia

53.8047, 0.3786, 0.3166

# Trichromacy



**Original Color**

53.9224, 0.4250, 0.3770

**Protanomaly**

53.4587, 0.3895, 0.3891

**Deuteranomaly**

53.7416, 0.4103, 0.3871

**Tritanomaly**

53.8275, 0.3957, 0.3387

# Monochromacy



**Original Color**

53.9224, 0.4250, 0.3770

**Achromatopsia**

53.9479, 0.3127, 0.3290

**Achromatomaly**

53.0799, 0.3505, 0.3481

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.9224, 0.4250, 0.3770 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 53.9224, 0.4250, 0.3770 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, 130) }
```

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

```
.border{ border-color:rgb(255, 176, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.9224, 0.4250, 0.3770 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, 130) }
```

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

```
.background{ background-color: rgb(255,  
176, 130) }
```

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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