

# Converting Colors

$Y_{xy}(57.8338, 0.4652, 0.3872)$

Have a look what the booklet for  
Yxy(57.8338, 0.4652, 0.3872)  
contains.

<b>Yxy(52.6362, 0.4437, 0.3949)</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(52.6362, 0.4437, 0.3949)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFAE6D
RGB	255, 174, 109
RGB Percent	100%, 68%, 43%
CMY	0.0000, 0.3177, 0.5725
CMYK	0.00, 0.32, 0.57, 0.00
HSL	27°, 100%, 71%
HSV	27°, 57%, 100%
XYZ	59.1407, 52.6362, 21.5130
YIQ	190.8090, 69.1410, -3.0430

# Conversions

## Conversions Part 2

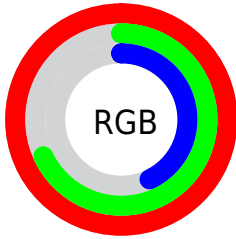
Format	Color
R <sub>Y</sub> B	255, 226, 109
Decimal	16756333
CIE Lab	77.66, 23.16, 45.00
CIE LCh	78, 50.604, 62.769
Yxy	52.6362, 0.4437, 0.3949
Android (android.graphics.Color)	4294946413 (0xFFFFAE6D)
YUV	190.8090, -40.3318, 56.2955
Hunter-Lab	72.5508, 18.5427, 33.2047

# Details

The Yxy color **52.6362, 0.4437, 0.3949** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.3035, 0.2233, 0.2469**, and the grayscale version is **52.1914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4623, 0.3761, 0.3979**, and **25.5926, 0.4767, 0.4049** is the 20% darker color. If you saturate the color by 10%, you get **46.9823, 0.4741, 0.4023**, and if you desaturate by 10%, it is **59.0250, 0.4146, 0.3848**.

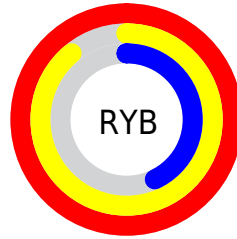
# Distribution



Red (100%)

Green (68%)

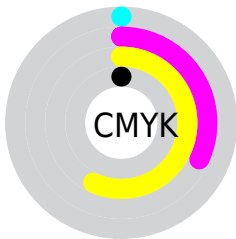
Blue (43%)



Red (100%)

Yellow (89%)

Blue (43%)

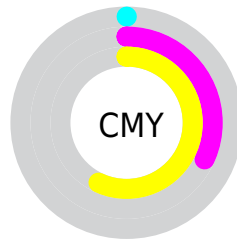


Cyan (0%)

Magenta (32%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (32%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6362, 0.4437, 0.3949 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 52.6362, 0.4437, 0.3949 by changing the saturation by 10% instead.





 52.6362, 0.4437,  
0.3949

 52.6362, 0.4437,  
0.3949


396.8878, 0.3805,  
0.3671

 37.5124, 0.4582,  
0.4000

 94.0688, 0.4216,  
0.3862


 25.6045, 0.4758,  
0.4053


 121.1465, 0.4130,  
0.3825

 16.5280, 0.4976,  
0.4106


 152.9775, 0.4056,  
0.3792

 9.8985, 0.5244,  
0.4144

 189.9464, 0.3992,  
0.3762

 5.3317, 0.5653,  
0.4199

232.4375, 0.3937,  
0.3736

 2.4432, 0.5971,  
0.4029

280.8351, 0.3887,

 0.8480, 0.6373,

0.3712

0.3627

335.5238, 0.3844,  
0.3691

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.6362, 0.4437,  
0.3949

52.6362, 0.4437,  
0.3949

46.9823, 0.4741,  
0.4023

59.0250, 0.4146,  
0.3848

42.0317, 0.5041,  
0.4056

66.1785, 0.3878,  
0.3731

37.7489, 0.5314,  
0.4037

74.1241, 0.3638,  
0.3609

34.0927, 0.5542,  
0.3962

82.8877, 0.3427,  
0.3487

33.1858, 0.5599,  
0.3936

92.4940, 0.3244,  
0.3370

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



52.6362, 0.4416, 0.3440



52.6362, 0.4437, 0.3949



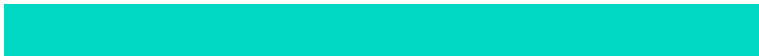
52.6362, 0.4082, 0.4374

# Triad

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



52.6362, 0.4437, 0.3949



52.6362, 0.2293, 0.3603



52.6362, 0.2658, 0.2297

# Complementary

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



52.6362, 0.4437, 0.3949



47.3035, 0.2233, 0.2469

# 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.



52.6362, 0.2184, 0.2256



52.6362, 0.4437, 0.3949



52.6362, 0.1988, 0.2922

# Square

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



52.6362, 0.4437, 0.3949



52.6362, 0.2836, 0.4253



52.6362, 0.1955, 0.2456



52.6362, 0.3318, 0.2543



# Rectangle

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



52.6362, 0.4437, 0.3949



52.6362, 0.3704, 0.4525



52.6362, 0.1955, 0.2456



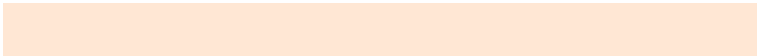
52.6362, 0.2475, 0.2259

# Sweetspot

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



52.6361, 0.4437, 0.3949



83.1184, 0.3422, 0.3484



35.9936, 0.3852, 0.2467



17.3987, 0.3462, 0.3508



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.



52.6361, 0.4437, 0.3949



46.0667, 0.4794, 0.4032



87.8310, 0.3998, 0.4576



19.3182, 0.3283, 0.3396



17.6274, 0.5571, 0.3959

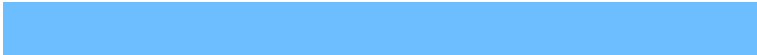


1.9302, 0.5376, 0.4114



# Inverse Universe

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



47.3035, 0.2233, 0.2469



40.2000, 0.2080, 0.2264



23.6043, 0.2034, 0.1552



19.0492, 0.2979, 0.3182



14.1039, 0.1823, 0.1761



1.5913, 0.1875, 0.1950



# Previews

## White Background



This preview shows how the Yxy color 52.6362, 0.4437, 0.3949 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

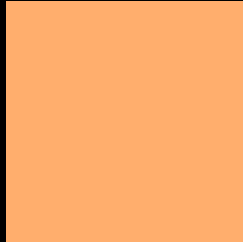
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.6362, 0.4437, 0.3949 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 52.6362, 0.4437, 0.3949**

## Background



This preview shows how black text looks on a background with the Yxy color 52.6362, 0.4437, 0.3949.



This preview shows how white text looks on a background with the Yxy color 52.6362, 0.4437, 0.3949.

# 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

52.6362, 0.4437, 0.3949

### Protanopia

52.6619, 0.3875, 0.4201

### Deuteranopia

52.5907, 0.4218, 0.4120



## Tritanopia

52.5199, 0.3833, 0.3176

# Trichromacy



**Original Color**

52.6362, 0.4437, 0.3949

**Protanomaly**

52.0589, 0.4080, 0.4109

**Deuteranomaly**

52.6025, 0.4292, 0.4057

**Tritanomaly**

52.3425, 0.4063, 0.3461

# Monochromacy



**Original Color**

52.6362, 0.4437, 0.3949

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

51.5673, 0.3576, 0.3580

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.6362, 0.4437, 0.3949 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, 174, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 109)  
}
```

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, 174, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 52.6362, 0.4437, 0.3949 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, 174, 109) }
```

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

```
.border{ border-color:rgb(255, 174, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 174, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.6362, 0.4437, 0.3949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 109) }
```

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

```
.background{ background-color: rgb(255,  
174, 109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor