

# Converting Colors

$Yxy(65.3183, 0.4874, 0.3787)$

Have a look what the booklet for  
Yxy(65.3183, 0.4874, 0.3787)  
contains.

<b>Yxy(52.2948, 0.4428, 0.3921)</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(52.2948, 0.4428, 0.3921)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAD6F
RGB	255, 173, 111
RGB Percent	100%, 68%, 44%
CMY	0.0000, 0.3216, 0.5647
CMYK	0.00, 0.32, 0.56, 0.00
HSL	26°, 100%, 72%
HSV	26°, 56%, 100%
XYZ	59.0567, 52.2948, 22.0196
YIQ	190.4500, 68.7740, -1.8980

# Conversions

## Conversions Part 2

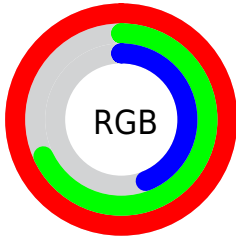
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 220, 111
Decimal	16756079
CIE <sub>Lab</sub>	77.46, 23.83, 43.74
CIE <sub>LCh</sub>	77, 49.807, 61.420
Yxy	52.2948, 0.4428, 0.3921
Android (android.graphics.Color)	4294946159 (0xFFFFAD6F)
YUV	190.4500, -39.1688, 56.6104
Hunter-Lab	72.3151, 19.2219, 32.5671

# Details

The Yxy color **52.2948, 0.4428, 0.3921** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.7394, 0.2250, 0.2511**, and the grayscale version is **51.9654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9790, 0.3751, 0.3950**, and **25.3720, 0.4760, 0.4017** is the 20% darker color. If you saturate the color by 10%, you get **46.5413, 0.4738, 0.3994**, and if you desaturate by 10%, it is **58.8137, 0.4133, 0.3822**.

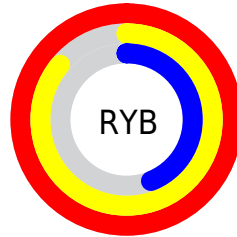
# Distribution



Red (100%)

Green (68%)

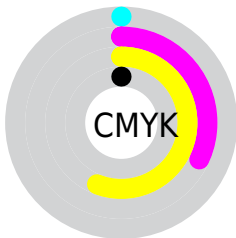
Blue (44%)



Red (100%)

Yellow (86%)

Blue (44%)

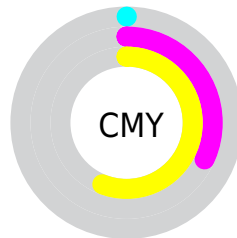


Cyan (0%)

Magenta (32%)

Yellow (56%)

Black (0%)



Cyan (0%)

Magenta (32%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2948, 0.4428, 0.3921 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 52.2948, 0.4428, 0.3921 by changing the saturation by 10% instead.





 52.2948, 0.4428,  
0.3921


 52.2948, 0.4428,  
0.3921


395.5736, 0.3798,  
0.3655

 37.2401, 0.4573,  
0.3969


 93.5659, 0.4207,  
0.3837


 25.3935, 0.4751,  
0.4021


 120.5510, 0.4121,  
0.3802

 16.3704, 0.4971,  
0.4071


 152.2818, 0.4048,  
0.3771

 9.7867, 0.5244,  
0.4107

 189.1426, 0.3984,  
0.3743

 5.2577, 0.5650,  
0.4151

231.5178, 0.3929,  
0.3717

 2.3993, 0.6006,  
0.3994

279.7917, 0.3880,

 0.8255, 0.6424,

0.3695

0.3576

334.3489, 0.3837,  
0.3674

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.2948, 0.4428,  
0.3921

52.2948, 0.4428,  
0.3921

46.5413, 0.4738,  
0.3994

58.8137, 0.4133,  
0.3822

41.5200, 0.5046,  
0.4028

66.1291, 0.3863,  
0.3708

37.1943, 0.5330,  
0.4010

74.2696, 0.3623,  
0.3589

33.5221, 0.5567,  
0.3936

83.2625, 0.3413,  
0.3472

32.3669, 0.5642,  
0.3902

93.1333, 0.3231,  
0.3359

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.



52.2948, 0.4388, 0.3417



52.2948, 0.4428, 0.3921



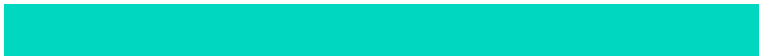
52.2948, 0.4093, 0.4346

# Triad

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



52.2948, 0.4428, 0.3921



52.2948, 0.2323, 0.3631



52.2948, 0.2639, 0.2302

# Complementary

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



52.2948, 0.4428, 0.3921



48.7394, 0.2250, 0.2511

# 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.



52.2948, 0.2179, 0.2272



52.2948, 0.4428, 0.3921



52.2948, 0.2010, 0.2954

# Square

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



52.2948, 0.4428, 0.3921



52.2948, 0.2869, 0.4261



52.2948, 0.1964, 0.2482



52.2948, 0.3285, 0.2537



# Rectangle

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



52.2948, 0.4428, 0.3921



52.2948, 0.3726, 0.4503



52.2948, 0.1964, 0.2482



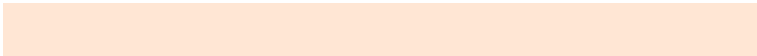
52.2948, 0.2460, 0.2267

# Sweetspot

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



52.2947, 0.4428, 0.3921



82.7647, 0.3423, 0.3478



36.5689, 0.3809, 0.2454



17.3154, 0.3463, 0.3501



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.



52.2947, 0.4428, 0.3921



45.7268, 0.4786, 0.4002



86.5089, 0.4000, 0.4544



19.2732, 0.3283, 0.3393



17.1953, 0.5613, 0.3925



1.8862, 0.5413, 0.4084



# Inverse Universe

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



48.7394, 0.2250, 0.2511



41.7767, 0.2101, 0.2317



24.7653, 0.2055, 0.1606



19.0949, 0.2979, 0.3185



14.6899, 0.1837, 0.1812



1.6474, 0.1888, 0.1996



# Previews

## White Background



This preview shows how the Yxy color 52.2948, 0.4428, 0.3921 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 52.2948, 0.4428, 0.3921 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 52.2948, 0.4428, 0.3921**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.2948, 0.4428, 0.3921.



This preview shows how white text looks on a background with the Yxy color 52.2948, 0.4428, 0.3921.

# 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

52.2948, 0.4428, 0.3921

### Protanopia

52.5626, 0.3851, 0.4181

### Deuteranopia

52.4635, 0.4194, 0.4103



## Tritanopia

52.1521, 0.3836, 0.3166

# Trichromacy



**Original Color**

52.2948, 0.4428, 0.3921

**Protanomaly**

52.1045, 0.4065, 0.4088

**Deuteranomaly**

52.2432, 0.4283, 0.4028

**Tritanomaly**

51.9690, 0.4068, 0.3451

# Monochromacy



**Original Color**

52.2948, 0.4428, 0.3921

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

51.1503, 0.3579, 0.3568

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.2948, 0.4428, 0.3921 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, 173, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 111)  
}
```

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, 173, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2948, 0.4428, 0.3921 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, 173, 111) }
```

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

```
.border{ border-color:rgb(255, 173, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 173, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.2948, 0.4428, 0.3921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 111) }
```

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

```
.background{ background-color: rgb(255,  
173, 111) }
```

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