

# Converting Colors

$Yxy(42.0481, 0.4868, 0.3868)$

Have a look what the booklet for  
Yxy(42.0481, 0.4868, 0.3868)  
contains.

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# Color

**Yxy(42.1509, 0.4866, 0.3872)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF9154
RGB	255, 145, 84
RGB Percent	100%, 57%, 33%
CMY	0.0000, 0.4314, 0.6705
CMYK	0.00, 0.43, 0.67, 0.00
HSL	21°, 100%, 66%
HSV	21°, 67%, 100%
XYZ	52.9717, 42.1509, 13.7382
YIQ	170.9360, 85.1410, 4.3490

# Conversions

## Conversions Part 2

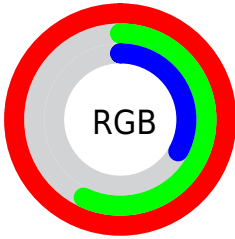
Format	Color
R <sub>Y</sub> B	255, 179, 84
Decimal	16748884
CIE Lab	70.97, 36.58, 49.64
CIE LCh	71, 61.665, 53.617
Yxy	42.1509, 0.4866, 0.3872
Android (android.graphics.Color)	4294938964 (0xFFFF9154)
YUV	170.9360, -42.8594, 73.7241
Hunter-Lab	64.9237, 32.0227, 32.9005

# Details

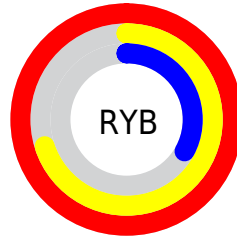
The Yxy color **42.1509, 0.4866, 0.3872** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **47.7078, 0.2154, 0.2506**, and the grayscale version is **40.8777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3461, 0.4072, 0.3950**, and **19.2817, 0.5310, 0.3909** is the 20% darker color. If you saturate the color by 10%, you get **37.1629, 0.5211, 0.3887**, and if you desaturate by 10%, it is **48.0062, 0.4521, 0.3818**.

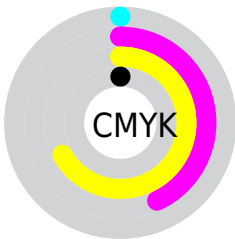
# Distribution



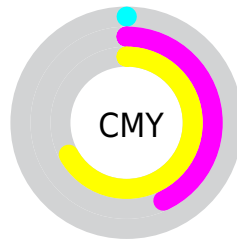
- Red (100%)
- Green (57%)
- Blue (33%)



- Red (100%)
- Yellow (70%)
- Blue (33%)



- Cyan (0%)
- Magenta (43%)
- Yellow (67%)
- Black (0%)




- Cyan (0%)
- Magenta (43%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1509, 0.4866, 0.3872 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 42.1509, 0.4866, 0.3872 by changing the saturation by 10% instead.





 42.1509, 0.4866,  
0.3872

 42.1509, 0.4866,  
0.3872


355.1081, 0.4002,  
0.3659


 29.2195, 0.5066,  
0.3894


 78.4280, 0.4561,  
0.3817

 19.2469, 0.5308,  
0.3904


 102.5424, 0.4443,  
0.3789


 11.8488, 0.5602,  
0.3886

 131.1532, 0.4343,  
0.3763

 6.6408, 0.6007,  
0.3840

 164.6449, 0.4256,  
0.3739

 3.2385, 0.6385,  
0.3615

 203.4019, 0.4180,  
0.3716

 1.2575, 0.6835,  
0.3165

247.8085, 0.4114,

 0.1079, 0.9030,

0.3696

0.0970

298.2491, 0.4055,  
0.3677

■ 0.0000, 0.0000,  
0.0000

■ 42.1509, 0.4866,  
0.3872

■ 42.1509, 0.4866,  
0.3872

■ 37.1629, 0.5211,  
0.3887

■ 48.0062, 0.4521,  
0.3818

■ 32.9979, 0.5526,  
0.3853

■ 54.7754, 0.4197,  
0.3738


■ 29.6006, 0.5783,  
0.3767

■ 62.4973, 0.3905,  
0.3644

■ 28.7291, 0.5850,  
0.3737

■ 71.2091, 0.3649,  
0.3545

■ 80.9461, 0.3430,  
0.3447

 91.7415, 0.3242,  
0.3353

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.



42.1509, 0.4698, 0.3244



42.1509, 0.4866, 0.3872



42.1509, 0.4503, 0.4487

# Triad

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



42.1509, 0.4866, 0.3872



42.1509, 0.2223, 0.3996



42.1509, 0.2305, 0.2003

# Complementary

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



42.1509, 0.4866, 0.3872



47.7078, 0.2154, 0.2506

# 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.



42.1509, 0.1819, 0.2023



42.1509, 0.4866, 0.3872



42.1509, 0.1763, 0.3028

# Square

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



42.1509, 0.4866, 0.3872



42.1509, 0.2968, 0.4782



42.1509, 0.1637, 0.2344



42.1509, 0.3084, 0.2234



# Rectangle

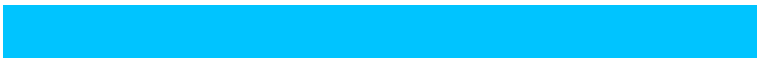
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



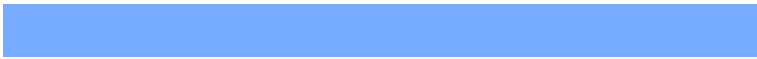
42.1509, 0.4866, 0.3872



42.1509, 0.4059, 0.4808



42.1509, 0.1637, 0.2344



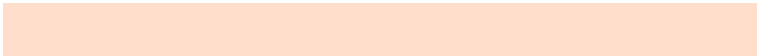
42.1509, 0.2109, 0.1980

# Sweetspot

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



42.1498, 0.4866, 0.3872



77.9604, 0.3491, 0.3475



31.5535, 0.3855, 0.2241



16.0970, 0.3552, 0.3503



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.



42.1498, 0.4866, 0.3872



35.8490, 0.5308, 0.3883



78.1360, 0.4203, 0.4628



19.0468, 0.3285, 0.3375



15.2664, 0.5820, 0.3761



1.6838, 0.5604, 0.3933



# Inverse Universe

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



47.7078, 0.2154, 0.2506



41.4867, 0.2029, 0.2326



20.1892, 0.1886, 0.1397



19.3277, 0.2980, 0.3203



17.9527, 0.1910, 0.2075



1.9545, 0.1953, 0.2229



# Previews

## White Background



This preview shows how the Yxy color 42.1509, 0.4866, 0.3872 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 42.1509, 0.4866, 0.3872 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 42.1509, 0.4866, 0.3872**

## Background



This preview shows how black text looks on a background with the Yxy color 42.1509, 0.4866, 0.3872.



This preview shows how white text looks on a background with the Yxy color 42.1509, 0.4866, 0.3872.

# 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

42.1509, 0.4866, 0.3872

### Protanopia

42.2867, 0.3974, 0.4320

### Deuteranopia

42.2840, 0.4366, 0.4287



## Tritanopia

42.1861, 0.4250, 0.3200

# Trichromacy



**Original Color**

42.1509, 0.4866, 0.3872

**Protanomaly**

41.3796, 0.4308, 0.4149

**Deuteranomaly**

41.8708, 0.4560, 0.4120

**Tritanomaly**

42.0867, 0.4501, 0.3468

# Monochromacy



**Original Color**

42.1509, 0.4866, 0.3872

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

40.2613, 0.3738, 0.3589

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.1509, 0.4866, 0.3872 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, 145, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 84)  
}
```

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, 145, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 84) }
```

## Border

The CSS property to change the border of an element to Yxy 42.1509, 0.4866, 0.3872 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, 145, 84) }
```

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

```
.border{ border-color:rgb(255, 145, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
84) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.1509, 0.4866, 0.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 84) }
```

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

```
.background{ background-color: rgb(255,  
145, 84) }
```

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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