

# Converting Colors

$Yxy(41.8984, 0.4868, 0.3860)$

Have a look what the booklet for  
Yxy(41.8984, 0.4868, 0.3860)  
contains.

<b>Yxy(41.8624, 0.4867, 0.3855)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(41.8624, 0.4867, 0.3855)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF9055
RGB	255, 144, 85
RGB Percent	100%, 56%, 33%
CMY	0.0000, 0.4353, 0.6669
CMYK	0.00, 0.44, 0.67, 0.00
HSL	21°, 100%, 67%
HSV	21°, 67%, 100%
XYZ	52.8520, 41.8624, 13.8781
YIQ	170.4630, 85.0950, 5.1830

# Conversions

## Conversions Part 2

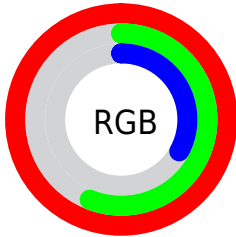
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 175, 85
Decimal	16748629
CIE Lab	70.78, 37.13, 48.96
CIE LCh	71, 61.446, 52.829
Yxy	41.8624, 0.4867, 0.3855
Android (android.graphics.Color)	4294938709 (0xFFFF9055)
YUV	170.4630, -42.1333, 74.1389
Hunter-Lab	64.7012, 32.5829, 32.5734

# Details

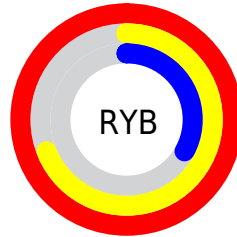
The Yxy color **41.8624, 0.4867, 0.3855** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **48.6021, 0.2163, 0.2532**, and the grayscale version is **40.6236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9130, 0.4070, 0.3931**, and **19.1191, 0.5308, 0.3883** is the 20% darker color. If you saturate the color by 10%, you get **36.8537, 0.5217, 0.3870**, and if you desaturate by 10%, it is **47.7641, 0.4518, 0.3802**.

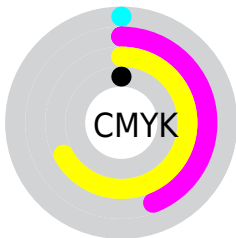
# Distribution



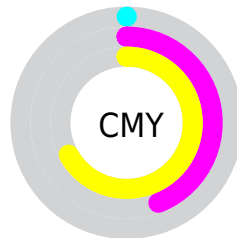
- Red (100%)
- Green (56%)
- Blue (33%)



- Red (100%)
- Yellow (69%)
- Blue (33%)



- Cyan (0%)
- Magenta (44%)
- Yellow (67%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8624, 0.4867, 0.3855 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 41.8624, 0.4867, 0.3855 by changing the saturation by 10% instead.





 41.8624, 0.4867,  
0.3855


 41.8624, 0.4867,  
0.3855


353.9122, 0.4001,  
0.3649


 28.9936, 0.5068,  
0.3876


 77.9913, 0.4561,  
0.3802


 19.0760, 0.5313,  
0.3884


 102.0202, 0.4443,  
0.3775

 11.7252, 0.5611,  
0.3864


 130.5379, 0.4342,  
0.3750

 6.5568, 0.6019,  
0.3814

 163.9288, 0.4254,  
0.3727

 3.1865, 0.6412,  
0.3588

 202.5773, 0.4179,  
0.3705

 1.2299, 0.6870,  
0.3130

246.8677, 0.4112,

 0.0859, 0.9206,

0.3685

0.0794

297.1846, 0.4053,  
0.3666

■ 0.0000, 0.0000,  
0.0000

■ 41.8624, 0.4867,  
0.3855

■ 41.8624, 0.4867,  
0.3855

■ 36.8537, 0.5217,  
0.3870

■ 47.7641, 0.4518,  
0.3802

■ 32.6834, 0.5538,  
0.3836

■ 54.5976, 0.4192,  
0.3723


■ 29.2977, 0.5799,  
0.3751

■ 62.4060, 0.3898,  
0.3632

■ 28.3322, 0.5875,  
0.3717

■ 71.2277, 0.3643,  
0.3535

■ 81.0989, 0.3423,  
0.3439

 92.0540, 0.3236,  
0.3348

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.



41.8624, 0.4684, 0.3228



41.8624, 0.4867, 0.3855



41.8624, 0.4516, 0.4471

# Triad

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



41.8624, 0.4867, 0.3855



41.8624, 0.2241, 0.4021



41.8624, 0.2290, 0.2001

# Complementary

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



41.8624, 0.4867, 0.3855



48.6021, 0.2163, 0.2532

# 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.



41.8624, 0.1812, 0.2029



41.8624, 0.4867, 0.3855



41.8624, 0.1772, 0.3051

# Square

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



41.8624, 0.4867, 0.3855



41.8624, 0.2990, 0.4792



41.8624, 0.1638, 0.2358



41.8624, 0.3060, 0.2226



# Rectangle

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



41.8624, 0.4867, 0.3855



41.8624, 0.4078, 0.4796



41.8624, 0.1638, 0.2358



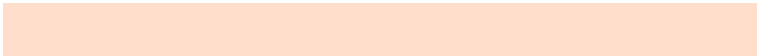
41.8624, 0.2096, 0.1981

# Sweetspot

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



41.8643, 0.4867, 0.3855



77.7096, 0.3492, 0.3471



31.8409, 0.3815, 0.2220



16.0374, 0.3553, 0.3498



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.



41.8643, 0.4867, 0.3855



35.3813, 0.5328, 0.3865



76.6665, 0.4217, 0.4602



19.0187, 0.3286, 0.3373



15.0547, 0.5845, 0.3741



1.6608, 0.5627, 0.3914



# Inverse Universe

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



48.6021, 0.2163, 0.2532



42.2671, 0.2036, 0.2352



21.0243, 0.1900, 0.1440



19.3570, 0.2980, 0.3205



18.3964, 0.1919, 0.2109



1.9957, 0.1961, 0.2259



# Previews

## White Background



This preview shows how the Yxy color 41.8624, 0.4867, 0.3855 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 41.8624, 0.4867, 0.3855 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 41.8624, 0.4867, 0.3855**

## Background



This preview shows how black text looks on a background with the Yxy color 41.8624, 0.4867, 0.3855.



This preview shows how white text looks on a background with the Yxy color 41.8624, 0.4867, 0.3855.

# 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

41.8624, 0.4867, 0.3855

### Protanopia

42.1747, 0.3956, 0.4313

### Deuteranopia

41.9365, 0.4368, 0.4267



## Tritanopia

41.8634, 0.4266, 0.3200

# Trichromacy



## Original Color

41.8624, 0.4867, 0.3855

## Protanomaly

41.2459, 0.4290, 0.4142

## Deuteranomaly

41.5461, 0.4561, 0.4100

## Tritanomaly

41.7904, 0.4507, 0.3458

# Monochromacy



## Original Color

41.8624, 0.4867, 0.3855

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

39.7713, 0.3732, 0.3577

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.8624, 0.4867, 0.3855 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, 144, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 85)  
}
```

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, 144, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 85) }
```

## Border

The CSS property to change the border of an element to Yxy 41.8624, 0.4867, 0.3855 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, 144, 85) }
```

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

```
.border{ border-color:rgb(255, 144, 85) }
```

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

Here you see how a box with a 4 pixel rgb(255, 144, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
85) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.8624, 0.4867, 0.3855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 85) }
```

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

```
.background{ background-color: rgb(255,  
144, 85) }
```

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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