

Converting Colors

$Y_{xy}(42.1543, 0.4982, 0.3847)$

Have a look what the booklet for
Yxy(42.1543, 0.4982, 0.3847)
contains.

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Color

Yxy(40.8889, 0.4934, 0.3864)

Conversions

Conversions Part 1

Format	Color
Hex	FF8D50
RGB	255, 141, 80
RGB Percent	100%, 55%, 31%
CMY	0.0000, 0.4470, 0.6865
CMYK	0.00, 0.45, 0.69, 0.00
HSL	21°, 100%, 66%
HSV	21°, 69%, 100%
XYZ	52.2117, 40.8889, 12.7196
YIQ	168.1320, 87.5250, 5.1970

Conversions

Conversions Part 2

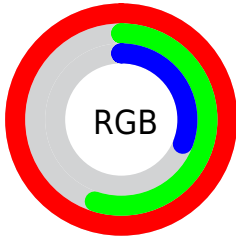
Format	Color
R _Y B	255, 174, 80
Decimal	16747856
CIE Lab	70.10, 38.38, 50.68
CIE LCh	70, 63.570, 52.861
Yxy	40.8889, 0.4934, 0.3864
Android (android.graphics.Color)	4294937936 (0xFFFF8D50)
YUV	168.1320, -43.4491, 76.1832
Hunter-Lab	63.9444, 33.8454, 32.9674

Details

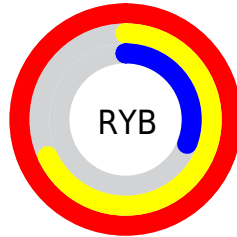
The Yxy color **40.8889, 0.4934, 0.3864** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **47.4798, 0.2141, 0.2502**, and the grayscale version is **39.4106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3785, 0.4131, 0.3960**, and **18.5760, 0.5394, 0.3884** is the 20% darker color. If you saturate the color by 10%, you get **36.0474, 0.5280, 0.3870**, and if you desaturate by 10%, it is **46.6116, 0.4584, 0.3817**.

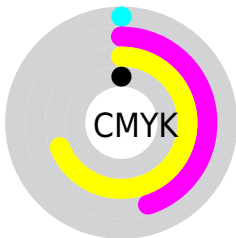
Distribution



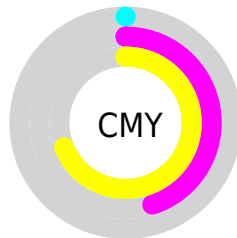
- Red (100%)
- Green (55%)
- Blue (31%)



- Red (100%)
- Yellow (68%)
- Blue (31%)



- Cyan (0%)
- Magenta (45%)
- Yellow (69%)
- Black (0%)





- Cyan (0%)
- Magenta (45%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8889, 0.4934, 0.3864 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 40.8889, 0.4934, 0.3864 by changing the saturation by 10% instead.

 40.8889, 0.4934,
0.3864

 40.8889, 0.4934,
0.3864


349.8561, 0.4034,
0.3661


 28.2323, 0.5142,
0.3881


 76.5152, 0.4617,
0.3814

 18.5008, 0.5393,
0.3883


 100.2537, 0.4494,
0.3788


 11.3102, 0.5696,
0.3852


 128.4549, 0.4389,
0.3763

 6.2759, 0.6143,
0.3805

 161.5033, 0.4298,
0.3739

 3.0135, 0.6481,
0.3519

 199.7832, 0.4219,
0.3717

 1.1388, 0.6963,
0.3037

243.6790, 0.4150,

 0.0109, 0.9887,

0.3697

0.0113

293.5752, 0.4089,
0.3678

0.0000, 0.0000,
0.0000

40.8889, 0.4934,
0.3864

40.8889, 0.4934,
0.3864

36.0474, 0.5280,
0.3870

46.6116, 0.4584,
0.3817

32.0312, 0.5591,
0.3827

53.2544, 0.4252,
0.3742


28.7829, 0.5840,
0.3734

60.8608, 0.3952,
0.3652

28.3961, 0.5871,
0.3720

69.4696, 0.3690,
0.3555

79.1172, 0.3463,
0.3459

 89.8382, 0.3270,
0.3366

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.



40.8889, 0.4750, 0.3219



40.8889, 0.4934, 0.3864



40.8889, 0.4562, 0.4505

Triad

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



40.8889, 0.4934, 0.3864



40.8889, 0.2203, 0.4053



40.8889, 0.2258, 0.1958

Complementary

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



40.8889, 0.4934, 0.3864



47.4798, 0.2141, 0.2502

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.



40.8889, 0.1768, 0.1984



40.8889, 0.4934, 0.3864



40.8889, 0.1723, 0.3035

Square

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



40.8889, 0.4934, 0.3864



40.8889, 0.2976, 0.4865



40.8889, 0.1588, 0.2319



40.8889, 0.3056, 0.2190

Rectangle

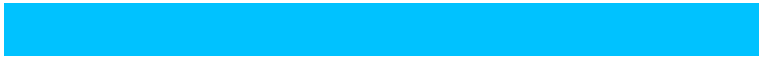
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.8889, 0.4934, 0.3864



40.8889, 0.4104, 0.4852



40.8889, 0.1588, 0.2319



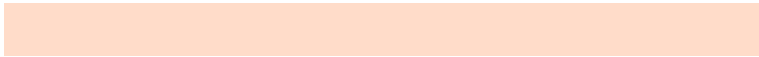
40.8889, 0.2059, 0.1936

Sweetspot

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



40.8909, 0.4934, 0.3864



76.7524, 0.3513, 0.3481



31.0050, 0.3843, 0.2201



15.8501, 0.3575, 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.



40.8909, 0.4934, 0.3864



34.6115, 0.5390, 0.3862



76.1359, 0.4244, 0.4626



19.0233, 0.3286, 0.3373



15.0888, 0.5841, 0.3744



1.6645, 0.5623, 0.3917

Inverse Universe

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



47.4798, 0.2141, 0.2502



41.2801, 0.2019, 0.2321



19.8869, 0.1867, 0.1383



19.3523, 0.2980, 0.3205



18.3234, 0.1918, 0.2103



1.9889, 0.1960, 0.2254

Previews

White Background



This preview shows how the Yxy color 40.8889, 0.4934, 0.3864 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 40.8889, 0.4934, 0.3864 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 40.8889, 0.4934, 0.3864

Background



This preview shows how black text looks on a background with the Yxy color 40.8889, 0.4934, 0.3864.



This preview shows how white text looks on a background with the Yxy color 40.8889, 0.4934, 0.3864.

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

40.8889, 0.4934, 0.3864

Protanopia

41.0620, 0.3987, 0.4356

Deuteranopia

40.8485, 0.4401, 0.4300



Tritanopia

40.9127, 0.4314, 0.3200

Trichromacy



Original Color

40.8889, 0.4934, 0.3864

Protanomaly

40.3078, 0.4336, 0.4175

Deuteranomaly

40.4725, 0.4598, 0.4130

Tritanomaly

40.8174, 0.4568, 0.3467

Monochromacy



Original Color

40.8889, 0.4934, 0.3864

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.5107, 0.3763, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8889, 0.4934, 0.3864 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, 141, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 80)  
}
```

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, 141, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 80) }
```

Border

The CSS property to change the border of an element to Yxy 40.8889, 0.4934, 0.3864 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, 141, 80) }
```

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

```
.border{ border-color:rgb(255, 141, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 141, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8889, 0.4934, 0.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 80) }
```

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

```
.background{ background-color: rgb(255,  
141, 80) }
```

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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