

Converting Colors

Yxy(40.4584, 0.4991, 0.3896)

Have a look what the booklet for
Yxy(40.4584, 0.4991, 0.3896)
contains.

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Color

Yxy(40.5106, 0.4989, 0.3898)

Conversions

Conversions Part 1	
Format	Color
Hex	FF8C4A
RGB	255, 140, 74
RGB Percent	100%, 55%, 29%
CMY	0.0001, 0.4509, 0.7098
CMYK	0.00, 0.45, 0.71, 0.00
HSL	22°, 100%, 65%
HSV	22°, 71%, 100%
XYZ	51.8490, 40.5106, 11.5670
YIQ	166.8610, 89.7260, 3.8540

Conversions

Conversions Part 2

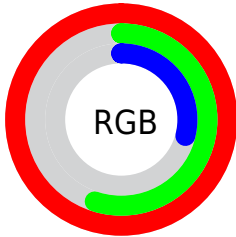
Format	Color
RYB	255, 178, 74
Decimal	16747594
CIELab	69.83, 38.58, 53.26
CIELCh	70, 65.767, 54.084
Yxy	40.5106, 0.4989, 0.3898
Android (android.graphics.Color)	4294937674 (0xFFFF8C4A)
YUV	166.8610, -45.7805, 77.2979
Hunter-Lab	63.6479, 34.0261, 33.7785

Details

The Yxy color **40.5106, 0.4989, 0.3898** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **45.0581, 0.2108, 0.2431**, and the grayscale version is **38.7697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7709, 0.4181, 0.4007**, and **18.2478, 0.5444, 0.3914** is the 20% darker color. If you saturate the color by 10%, you get **35.8447, 0.5322, 0.3896**, and if you desaturate by 10%, it is **46.0168, 0.4645, 0.3856**.

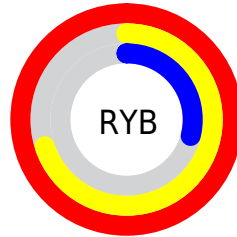
Distribution



Red (100%)

Green (55%)

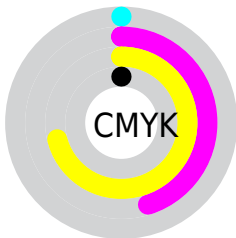
Blue (29%)



Red (100%)

Yellow (70%)

Blue (29%)

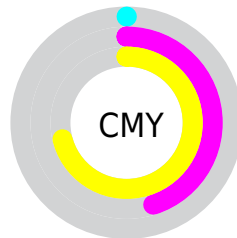


Cyan (0%)

Magenta (45%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5106, 0.4989, 0.3898 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 40.5106, 0.4989, 0.3898 by changing the saturation by 10% instead.


 40.5106, 0.4989,
0.3898


 40.5106, 0.4989,
0.3898

348.2710, 0.4066,
0.3686

 27.9369, 0.5199,
0.3914


 75.9404, 0.4665,
0.3847

 18.2781, 0.5451,
0.3912


 99.5653, 0.4540,
0.3820

 11.1498, 0.5751,
0.3873


 127.6427, 0.4432,
0.3794

 6.1677, 0.6188,
0.3812

 160.5570, 0.4338,
0.3769

 2.9473, 0.6498,
0.3502

 198.6925, 0.4257,
0.3746

 1.1043, 0.6988,
0.3012

242.4338, 0.4186,


 0.0000, 1.0000,


0.3724

0.0000


292.1652, 0.4122,
0.3704


 0.0000, 0.0000,
0.0000

 40.5106, 0.4989,
0.3898


 40.5106, 0.4989,
0.3898


 35.8447, 0.5322,
0.3896


 46.0168, 0.4645,
0.3856


 31.9642, 0.5615,
0.3842


 52.4004, 0.4314,
0.3782


 29.0854, 0.5828,
0.3755

 59.7033, 0.4011,
0.3691

 67.9629, 0.3743,
0.3591

 77.2140, 0.3511,
0.3489

 87.4897, 0.3312,
0.3391

 98.8215, 0.3142,
0.3299

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



40.5106, 0.4830, 0.3236



40.5106, 0.4989, 0.3898



40.5106, 0.4577, 0.4560

Triad

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



40.5106, 0.4989, 0.3898



40.5106, 0.2141, 0.4039



40.5106, 0.2256, 0.1924

Complementary

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



40.5106, 0.4989, 0.3898



45.0581, 0.2108, 0.2431

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.



40.5106, 0.1741, 0.1936



40.5106, 0.4989, 0.3898



40.5106, 0.1666, 0.2982

Square

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



40.5106, 0.4989, 0.3898



40.5106, 0.2928, 0.4911



40.5106, 0.1545, 0.2262



40.5106, 0.3090, 0.2172

Rectangle

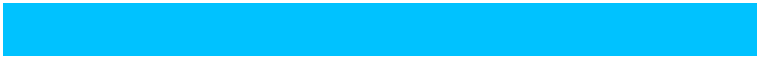
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.5106, 0.4989, 0.3898



40.5106, 0.4095, 0.4919



40.5106, 0.1545, 0.2262



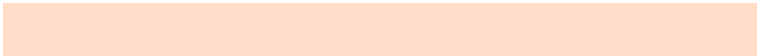
40.5106, 0.2048, 0.1897

Sweetspot

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



40.5128, 0.4989, 0.3898



77.2018, 0.3512, 0.3490



29.9452, 0.3916, 0.2206



15.9560, 0.3572, 0.3517



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.



40.5128, 0.4989, 0.3898



34.1964, 0.5447, 0.3881



77.1464, 0.4253, 0.4676



19.0718, 0.3285, 0.3377



15.4590, 0.5798, 0.3778



1.7045, 0.5583, 0.3949

Inverse Universe

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



45.0581, 0.2108, 0.2431



38.6642, 0.1983, 0.2231



18.0130, 0.1821, 0.1284



19.3019, 0.2980, 0.3201



17.5672, 0.1902, 0.2046



1.9186, 0.1946, 0.2204

Previews

White Background



This preview shows how the Yxy color 40.5106, 0.4989, 0.3898 looks on a white background.

Color Contrast Check

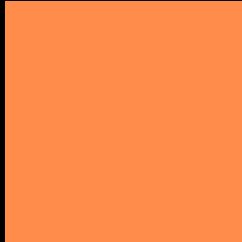
Large Text (above 18pt) WCAG AA × Fail

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 40.5106, 0.4989, 0.3898 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 40.5106, 0.4989, 0.3898

Background



This preview shows how black text looks on a background with the Yxy color 40.5106, 0.4989, 0.3898.



This preview shows how white text looks on a background with the Yxy color 40.5106, 0.4989, 0.3898.

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

40.5106, 0.4989, 0.3898

Protanopia

40.5847, 0.4038, 0.4412

Deuteranopia

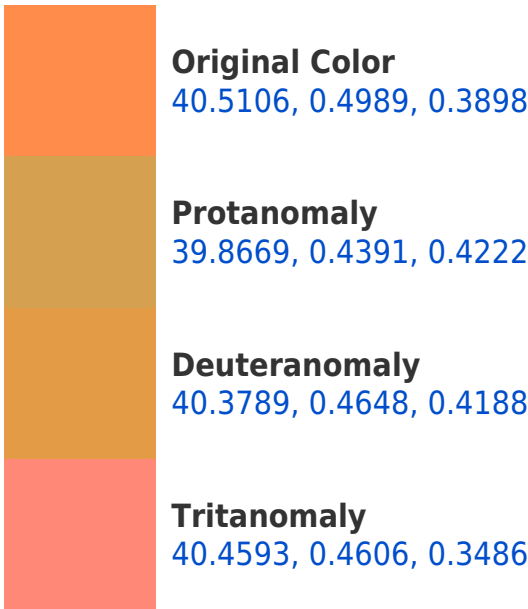
40.7579, 0.4448, 0.4360



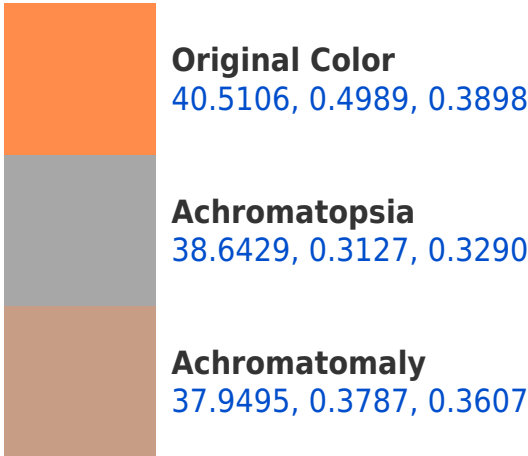
Tritanopia

40.5711, 0.4342, 0.3211

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5106, 0.4989, 0.3898 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, 140, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 74)  
}
```

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, 140, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 74) }
```

Border

The CSS property to change the border of an element to Yxy 40.5106, 0.4989, 0.3898 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, 140, 74) }
```

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

```
.border{ border-color:rgb(255, 140, 74) }
```

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

Here you see how a box with a 4 pixel rgb(255, 140, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5106, 0.4989, 0.3898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 74) }
```

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

```
.background{ background-color: rgb(255,  
140, 74) }
```

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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