

Converting Colors

$Y_{xy}(40.0015, 0.4969, 0.3841)$

Have a look what the booklet for
Yxy(40.0015, 0.4969, 0.3841)
contains.

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Color

Yxy(40.0015, 0.4969, 0.3841)

Conversions

Conversions Part 1

Format	Color
Hex	FF8A4F
RGB	255, 138, 79
RGB Percent	100%, 54%, 31%
CMY	0.0000, 0.4589, 0.6901
CMYK	0.00, 0.46, 0.69, 0.00
HSL	20°, 100%, 65%
HSV	20°, 69%, 100%
XYZ	51.7489, 40.0015, 12.3931
YIQ	166.2570, 88.6710, 6.4550

Conversions

Conversions Part 2

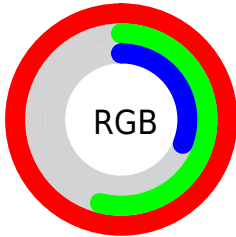
Format	Color
R_{YB}	255, 168, 79
Decimal	16747087
CIE _{Lab}	69.47, 39.87, 50.44
CIE _{LCh}	69, 64.294, 51.673
Yxy	40.0015, 0.4969, 0.3841
Android (android.graphics.Color)	4294937167 (0xFFFF8A4F)
YUV	166.2570, -43.0177, 77.8276
Hunter-Lab	63.2467, 35.3680, 32.6550

Details

The Yxy color **40.0015, 0.4969, 0.3841** 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 **48.3753, 0.2146, 0.2530**, and the grayscale version is **38.4400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0116, 0.4155, 0.3940**, and **17.9508, 0.5434, 0.3858** is the 20% darker color. If you saturate the color by 10%, you get **35.2041, 0.5321, 0.3843**, and if you desaturate by 10%, it is **45.6931, 0.4612, 0.3798**.

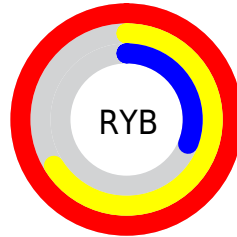
Distribution



Red (100%)

Green (54%)

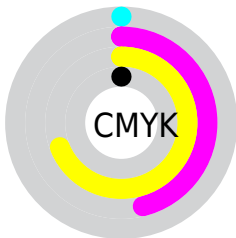
Blue (31%)



Red (100%)

Yellow (66%)

Blue (31%)

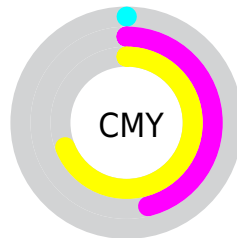


Cyan (0%)

Magenta (46%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0015, 0.4969, 0.3841 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 40.0015, 0.4969, 0.3841 by changing the saturation by 10% instead.


 40.0015, 0.4969,
0.3841


 40.0015, 0.4969,
0.3841


346.1299, 0.4049,
0.3651

 27.5397, 0.5182,
0.3854


 75.1658, 0.4644,
0.3797


 17.9790, 0.5440,
0.3850


 98.6371, 0.4518,
0.3772


 10.9349, 0.5752,
0.3810


 126.5470, 0.4411,
0.3749

 6.0231, 0.6226,
0.3758

 159.2800, 0.4318,
0.3726

 2.8591, 0.6557,
0.3443

 197.2203, 0.4237,
0.3705

 1.0586, 0.7065,
0.2935

240.7525, 0.4167,

 0.0000, 1.0000,

0.3686

0.0000

290.2609, 0.4104,
0.3668

■ 0.0000, 0.0000,
0.0000

■ 40.0015, 0.4969,
0.3841

■ 40.0015, 0.4969,
0.3841

■ 35.2041, 0.5321,
0.3843

■ 45.6931, 0.4612,
0.3798

■ 31.2598, 0.5635,
0.3796

■ 52.3377, 0.4274,
0.3728


■ 28.1015, 0.5884,
0.3702

■ 59.9751, 0.3969,
0.3641

■ 27.8280, 0.5907,
0.3692

■ 68.6462, 0.3702,
0.3548

■ 78.3892, 0.3472,
0.3455

 89.2404, 0.3277,
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.



40.0015, 0.4759, 0.3190



40.0015, 0.4969, 0.3841



40.0015, 0.4606, 0.4496

Triad

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



40.0015, 0.4969, 0.3841



40.0015, 0.2212, 0.4109



40.0015, 0.2218, 0.1935

Complementary

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



40.0015, 0.4969, 0.3841



48.3753, 0.2146, 0.2530

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.



40.0015, 0.1734, 0.1970



40.0015, 0.4969, 0.3841



40.0015, 0.1713, 0.3064

Square

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



40.0015, 0.4969, 0.3841



40.0015, 0.3005, 0.4917



40.0015, 0.1565, 0.2322



40.0015, 0.3017, 0.2160

Rectangle

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



40.0015, 0.4969, 0.3841



40.0015, 0.4147, 0.4859



40.0015, 0.1565, 0.2322



40.0015, 0.2020, 0.1916

Sweetspot

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



39.9977, 0.4969, 0.3841



76.3673, 0.3515, 0.3474



30.8549, 0.3848, 0.2197



15.7594, 0.3576, 0.3499



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.



39.9977, 0.4969, 0.3841



33.5333, 0.5452, 0.3831



76.0376, 0.4248, 0.4631



18.9816, 0.3286, 0.3370



14.7854, 0.5877, 0.3716



1.6314, 0.5658, 0.3890

Inverse Universe

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



48.3753, 0.2146, 0.2530



42.0542, 0.2022, 0.2348



19.6809, 0.1861, 0.1373



19.3957, 0.2980, 0.3208



18.9935, 0.1931, 0.2153



2.0509, 0.1972, 0.2297

Previews

White Background



This preview shows how the Yxy color 40.0015, 0.4969, 0.3841 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 40.0015, 0.4969, 0.3841 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 40.0015, 0.4969, 0.3841

Background



This preview shows how black text looks on a background with the Yxy color 40.0015, 0.4969, 0.3841.



This preview shows how white text looks on a background with the Yxy color 40.0015, 0.4969, 0.3841.

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

40.0015, 0.4969, 0.3841

Protanopia

40.1621, 0.3998, 0.4350

Deuteranopia

40.1706, 0.4405, 0.4317



Tritanopia

39.9881, 0.4363, 0.3201

Trichromacy



Original Color

40.0015, 0.4969, 0.3841

Protanomaly

39.1066, 0.4359, 0.4156

Deuteranomaly

39.6214, 0.4622, 0.4130

Tritanomaly

39.9199, 0.4609, 0.3456

Monochromacy



Original Color

40.0015, 0.4969, 0.3841

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.5039, 0.3771, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0015, 0.4969, 0.3841 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, 138, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 79)  
}
```

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, 138, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 79) }
```

Border

The CSS property to change the border of an element to Yxy 40.0015, 0.4969, 0.3841 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, 138, 79) }
```

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

```
.border{ border-color:rgb(255, 138, 79) }
```

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

Here you see how a box with a 4 pixel rgb(255, 138, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0015, 0.4969, 0.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 79) }
```

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

```
.background{ background-color: rgb(255,  
138, 79) }
```

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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