

Converting Colors

$Y_{xy}(40.3779, 0.4854, 0.3745)$

Have a look what the booklet for
Yxy(40.3779, 0.4854, 0.3745)
contains.

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Color

Yxy(40.4979, 0.4849, 0.3747)

Conversions

Conversions Part 1

Format	Color
Hex	FF8B5C
RGB	255, 139, 92
RGB Percent	100%, 55%, 36%
CMY	0.0000, 0.4549, 0.6393
CMYK	0.00, 0.45, 0.64, 0.00
HSL	17°, 100%, 68%
HSV	17°, 64%, 100%
XYZ	52.4084, 40.4979, 15.1746
YIQ	168.3260, 84.2230, 9.9750

Conversions

Conversions Part 2

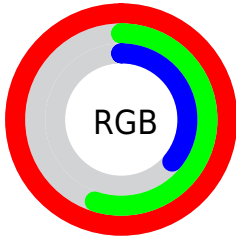
Format	Color
R_{YB}	255, 158, 92
Decimal	16747356
CIE _{Lab}	69.82, 40.08, 44.28
CIE _{LCh}	70, 59.724, 47.848
Yxy	40.4979, 0.4849, 0.3747
Android (android.graphics.Color)	4294937436 (0xFFFF8B5C)
YUV	168.3260, -37.6287, 76.0131
Hunter-Lab	63.6380, 35.6355, 30.4088

Details

The Yxy color **40.4979, 0.4849, 0.3747** 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 **54.5967, 0.2224, 0.2698**, and the grayscale version is **39.4812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8267, 0.4048, 0.3822**, and **18.3357, 0.5304, 0.3761** is the 20% darker color. If you saturate the color by 10%, you get **35.2978, 0.5229, 0.3763**, and if you desaturate by 10%, it is **46.7179, 0.4479, 0.3699**.

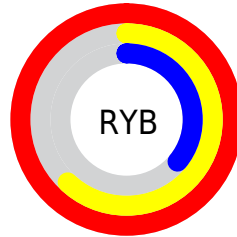
Distribution



Red (100%)

Green (55%)

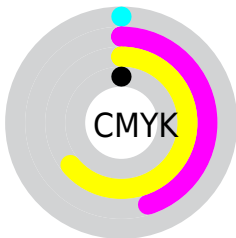
Blue (36%)



Red (100%)

Yellow (62%)

Blue (36%)

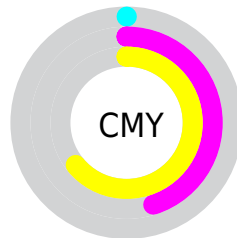


Cyan (0%)

Magenta (45%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4979, 0.4849, 0.3747 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 40.4979, 0.4849, 0.3747 by changing the saturation by 10% instead.


 40.4979, 0.4849,
0.3747


 40.4979, 0.4849,
0.3747

348.2177, 0.3980,
0.3588

 27.9270, 0.5056,
0.3760


 75.9211, 0.4538,
0.3708


 18.2706, 0.5312,
0.3760


 99.5422, 0.4419,
0.3688

 11.1444, 0.5630,
0.3731


 127.6154, 0.4318,
0.3668

 6.1641, 0.6048,
0.3656

 160.5251, 0.4231,
0.3650

 2.9451, 0.6551,
0.3449

198.6559, 0.4156,
0.3632

 1.1031, 0.7051,
0.2949

242.3919, 0.4090,

 0.0000, 1.0000,

0.3616

0.0000

292.1178, 0.4032,
0.3601

0.0000, 0.0000,
0.0000

40.4979, 0.4849,
0.3747

40.4979, 0.4849,
0.3747

35.2978, 0.5229,
0.3763

46.7179, 0.4479,
0.3699

31.0622, 0.5587,
0.3735

54.0146, 0.4140,
0.3631

27.7240, 0.5881,
0.3660

62.4367, 0.3842,
0.3553

26.0973, 0.6023,
0.3600

72.0305, 0.3587,
0.3472

82.8396, 0.3371,
0.3393

 94.9054, 0.3190,
0.3318

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.



40.4979, 0.4572, 0.3133



40.4979, 0.4849, 0.3747



40.4979, 0.4584, 0.4362

Triad

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



40.4979, 0.4849, 0.3747



40.4979, 0.2364, 0.4163



40.4979, 0.2203, 0.2005

Complementary

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



40.4979, 0.4849, 0.3747



54.5967, 0.2224, 0.2698

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.



40.4979, 0.1781, 0.2079



40.4979, 0.4849, 0.3747



40.4979, 0.1846, 0.3204

Square

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



40.4979, 0.4849, 0.3747



40.4979, 0.3132, 0.4830



40.4979, 0.1659, 0.2462



40.4979, 0.2920, 0.2189

Rectangle

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



40.4979, 0.4849, 0.3747



40.4979, 0.4185, 0.4707



40.4979, 0.1659, 0.2462



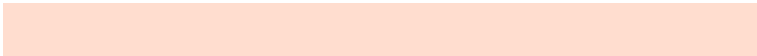
40.4979, 0.2029, 0.1999

Sweetspot

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



40.4968, 0.4849, 0.3747



77.2049, 0.3476, 0.3433



33.5046, 0.3678, 0.2179



15.8747, 0.3539, 0.3456



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.



40.4968, 0.4849, 0.3747



33.8979, 0.5343, 0.3759



73.0502, 0.4231, 0.4500



18.8403, 0.3287, 0.3359



13.8565, 0.5994, 0.3623



1.5269, 0.5773, 0.3798

Inverse Universe

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



54.5967, 0.2224, 0.2698



48.6960, 0.2103, 0.2554



24.7505, 0.1971, 0.1622



19.5442, 0.2980, 0.3220



21.4061, 0.1978, 0.2320



2.2719, 0.2012, 0.2444

Previews

White Background



This preview shows how the Yxy color 40.4979, 0.4849, 0.3747 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 40.4979, 0.4849, 0.3747 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 40.4979, 0.4849, 0.3747

Background



This preview shows how black text looks on a background with the Yxy color 40.4979, 0.4849, 0.3747.



This preview shows how white text looks on a background with the Yxy color 40.4979, 0.4849, 0.3747.

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

40.4979, 0.4849, 0.3747

Protanopia

40.6699, 0.3871, 0.4198

Deuteranopia

40.5841, 0.4283, 0.4199



Tritanopia

40.6016, 0.4330, 0.3200

Trichromacy



Original Color

40.4979, 0.4849, 0.3747

Protanomaly

39.6942, 0.4233, 0.4019

Deuteranomaly

40.0012, 0.4493, 0.4019

Tritanomaly

40.3490, 0.4537, 0.3406

Monochromacy



Original Color

40.4979, 0.4849, 0.3747

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.2868, 0.3727, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4979, 0.4849, 0.3747 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, 139, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 139, 92)  
}
```

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, 139, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 139, 92) }
```

Border

The CSS property to change the border of an element to Yxy 40.4979, 0.4849, 0.3747 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, 139, 92) }
```

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

```
.border{ border-color:rgb(255, 139, 92) }
```

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

Here you see how a box with a 4 pixel rgb(255, 139, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 139, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 139, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 139,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4979, 0.4849, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 139, 92) }
```

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

```
.background{ background-color: rgb(255,  
139, 92) }
```

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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