

Converting Colors

$Y_{xy}(40.6644, 0.4823, 0.3731)$

Have a look what the booklet for
Yxy(40.6644, 0.4823, 0.3731)
contains.

Yxy(40.5334, 0.4830, 0.3730)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.5334, 0.4830, 0.3730)

Conversions

Conversions Part 1

Format	Color
Hex	FF8B5E
RGB	255, 139, 94
RGB Percent	100%, 55%, 37%
CMY	0.0001, 0.4548, 0.6313
CMYK	0.00, 0.45, 0.63, 0.00
HSL	17°, 100%, 68%
HSV	17°, 63%, 100%
XYZ	52.4869, 40.5334, 15.6483
YIQ	168.5540, 83.5810, 10.5970

Conversions

Conversions Part 2

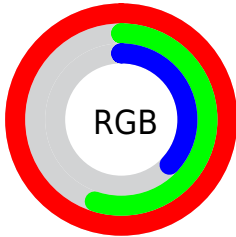
Format	Color
R _Y B	255, 156, 94
Decimal	16747358
CIE Lab	69.85, 40.18, 43.25
CIE LCh	70, 59.034, 47.111
Yxy	40.5334, 0.4830, 0.3730
Android (android.graphics.Color)	4294937438 (0xFFFF8B5E)
YUV	168.5540, -36.7551, 75.8131
Hunter-Lab	63.6658, 35.7425, 29.9933

Details

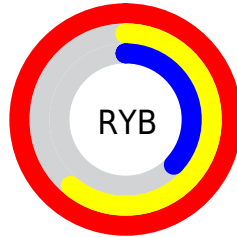
The Yxy color **40.5334, 0.4830, 0.3730** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **55.6724, 0.2237, 0.2725**, and the grayscale version is **39.6011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8879, 0.4032, 0.3801**, and **18.3511, 0.5284, 0.3745** is the 20% darker color. If you saturate the color by 10%, you get **35.2702, 0.5215, 0.3747**, and if you desaturate by 10%, it is **46.8456, 0.4458, 0.3682**.

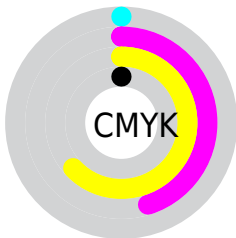
Distribution



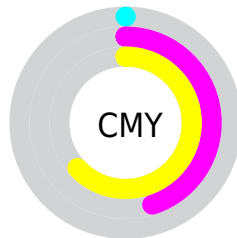
- Red (100%)
- Green (55%)
- Blue (37%)



- Red (100%)
- Yellow (61%)
- Blue (37%)



- Cyan (0%)
- Magenta (45%)
- Yellow (63%)
- Black (0%)





- Cyan (0%)
- Magenta (45%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5334, 0.4830, 0.3730 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 40.5334, 0.4830, 0.3730 by changing the saturation by 10% instead.


 40.5334, 0.4830,
0.3730

 40.5334, 0.4830,
0.3730


348.3667, 0.3969,
0.3577

 27.9547, 0.5036,
0.3742


 75.9751, 0.4521,
0.3693


 18.2915, 0.5291,
0.3742


 99.6068, 0.4404,
0.3673

 11.1595, 0.5610,
0.3714


 127.6917, 0.4304,
0.3654

 6.1742, 0.6024,
0.3638

 160.6141, 0.4218,
0.3636

 2.9513, 0.6553,
0.3447

198.7583, 0.4143,
0.3620

 1.1064, 0.7054,
0.2946

242.5090, 0.4078,

 0.0000, 1.0000,

0.3604

0.0000

292.2503, 0.4020,
0.3590

0.0000, 0.0000,
0.0000

40.5334, 0.4830,
0.3730

40.5334, 0.4830,
0.3730

35.2702, 0.5215,
0.3747

46.8456, 0.4458,
0.3682

30.9895, 0.5579,
0.3722

54.2553, 0.4119,
0.3615

27.6260, 0.5881,
0.3651

62.8155, 0.3823,
0.3539

25.8009, 0.6043,
0.3584

72.5738, 0.3570,
0.3460

83.5749, 0.3356,
0.3384

 95.8613, 0.3177,
0.3312

99.9955, 0.3127,
0.3290

Harmonies

Analogous

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



40.5334, 0.4541, 0.3121



40.5334, 0.4830, 0.3730



40.5334, 0.4581, 0.4340

Triad

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



40.5334, 0.4830, 0.3730



40.5334, 0.2389, 0.4174



40.5334, 0.2199, 0.2016

Complementary

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



40.5334, 0.4830, 0.3730



55.6724, 0.2237, 0.2725

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.



40.5334, 0.1788, 0.2097



40.5334, 0.4830, 0.3730



40.5334, 0.1868, 0.3228

Square

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



40.5334, 0.4830, 0.3730



40.5334, 0.3154, 0.4818



40.5334, 0.1674, 0.2486



40.5334, 0.2903, 0.2192

Rectangle

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



40.5334, 0.4830, 0.3730



40.5334, 0.4192, 0.4683



40.5334, 0.1674, 0.2486



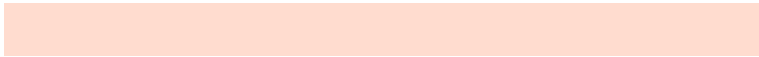
40.5334, 0.2029, 0.2013

Sweetspot

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



40.5355, 0.4830, 0.3730



76.9815, 0.3477, 0.3428



34.0182, 0.3638, 0.2166



15.8214, 0.3540, 0.3451



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.



40.5355, 0.4830, 0.3730



33.9512, 0.5323, 0.3745



71.9047, 0.4236, 0.4467



18.8139, 0.3287, 0.3357



13.6993, 0.6014, 0.3607



1.5087, 0.5794, 0.3781

Inverse Universe

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



55.6724, 0.2237, 0.2725



49.9001, 0.2117, 0.2588



25.9837, 0.1993, 0.1678



19.5722, 0.2980, 0.3222



21.8826, 0.1987, 0.2352



2.3152, 0.2020, 0.2471

Previews

White Background



This preview shows how the Yxy color 40.5334, 0.4830, 0.3730 looks on a white background.

Color Contrast Check

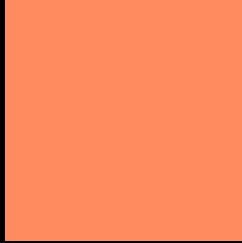
Large Text (above 18pt) WCAG AA × Fail

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 40.5334, 0.4830, 0.3730 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 40.5334, 0.4830, 0.3730

Background



This preview shows how black text looks on a background with the Yxy color 40.5334, 0.4830, 0.3730.



This preview shows how white text looks on a background with the Yxy color 40.5334, 0.4830, 0.3730.

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

40.5334, 0.4830, 0.3730

Protanopia

40.7312, 0.3846, 0.4160

Deuteranopia

40.6173, 0.4267, 0.4179



Tritanopia

40.6016, 0.4330, 0.3200

Trichromacy



Original Color

40.5334, 0.4830, 0.3730

Protanomaly

39.7526, 0.4206, 0.3986

Deuteranomaly

40.0353, 0.4476, 0.3999

Tritanomaly

40.3747, 0.4526, 0.3396

Monochromacy



Original Color

40.5334, 0.4830, 0.3730

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.6861, 0.3703, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5334, 0.4830, 0.3730 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 139, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 139, 94) }
```

Border

The CSS property to change the border of an element to Yxy 40.5334, 0.4830, 0.3730 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, 94) }
```

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

```
.border{ border-color:rgb(255, 139, 94) }
```

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, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 139, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 139, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 139,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5334, 0.4830, 0.3730 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, 94) }
```

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

```
.background{ background-color: rgb(255,  
139, 94) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor