

Converting Colors

$Y_{xy}(43.3022, 0.4868, 0.3765)$

Have a look what the booklet for
Yxy(43.3022, 0.4868, 0.3765)
contains.

Yxy(41.6952, 0.4807, 0.3779)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.6952, 0.4807, 0.3779)

Conversions

Conversions Part 1

Format	Color
Hex	FF8F5D
RGB	255, 143, 93
RGB Percent	100%, 56%, 36%
CMY	0.0000, 0.4392, 0.6354
CMYK	0.00, 0.44, 0.64, 0.00
HSL	19°, 100%, 68%
HSV	19°, 64%, 100%
XYZ	53.0375, 41.6952, 15.6012
YIQ	170.7880, 82.8020, 8.1940

Conversions

Conversions Part 2

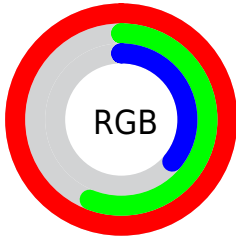
Format	Color
R _Y B	255, 165, 93
Decimal	16748381
CIE Lab	70.66, 38.11, 44.76
CIE LCh	71, 58.782, 49.591
Yxy	41.6952, 0.4807, 0.3779
Android (android.graphics.Color)	4294938461 (0xFFFF8F5D)
YUV	170.7880, -38.3495, 73.8539
Hunter-Lab	64.5718, 33.6143, 30.8752

Details

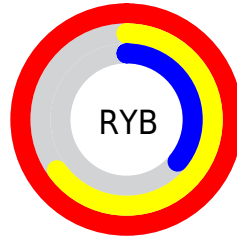
The Yxy color **41.6952, 0.4807, 0.3779** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **53.1900, 0.2218, 0.2658**, and the grayscale version is **40.7777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6925, 0.4013, 0.3841**, and **19.0015, 0.5252, 0.3811** is the 20% darker color. If you saturate the color by 10%, you get **36.4354, 0.5178, 0.3800**, and if you desaturate by 10%, it is **47.9410, 0.4446, 0.3725**.

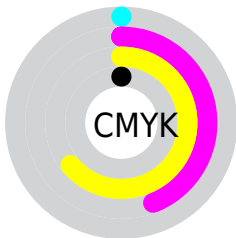
Distribution



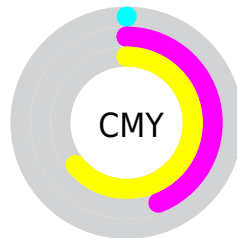
- Red (100%)
- Green (56%)
- Blue (36%)



- Red (100%)
- Yellow (65%)
- Blue (36%)



- Cyan (0%)
- Magenta (44%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6952, 0.4807, 0.3779 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 41.6952, 0.4807, 0.3779 by changing the saturation by 10% instead.

 41.6952, 0.4807,
0.3779

 41.6952, 0.4807,
0.3779


353.2179, 0.3964,
0.3602


 28.8627, 0.5007,
0.3797


 77.7381, 0.4506,
0.3733

 18.9770, 0.5253,
0.3804


 101.7173, 0.4391,
0.3711

 11.6536, 0.5559,
0.3786


 130.1809, 0.4293,
0.3689

 6.5083, 0.5954,
0.3722

 163.5132, 0.4208,
0.3669

 3.1566, 0.6450,
0.3550

202.0987, 0.4135,
0.3650

 1.2140, 0.6918,
0.3082

246.3217, 0.4071,

 0.0731, 0.9325,

0.3633

0.0675

296.5666, 0.4014,
0.3617

■ 0.0000, 0.0000,
0.0000

■ 41.6952, 0.4807,
0.3779

■ 41.6952, 0.4807,
0.3779

■ 36.4354, 0.5178,
0.3800

■ 47.9410, 0.4446,
0.3725

■ 32.1011, 0.5529,
0.3776

■ 55.2165, 0.4116,
0.3652


■ 28.6336, 0.5822,
0.3704

■ 63.5696, 0.3825,
0.3568

■ 26.8159, 0.5973,
0.3639

■ 73.0436, 0.3575,
0.3481

■ 83.6790, 0.3363,
0.3397

 95.5143, 0.3184,
0.3317

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.



41.6952, 0.4566, 0.3173



41.6952, 0.4807, 0.3779



41.6952, 0.4525, 0.4377

Triad

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



41.6952, 0.4807, 0.3779



41.6952, 0.2346, 0.4087



41.6952, 0.2257, 0.2036

Complementary

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



41.6952, 0.4807, 0.3779



53.1900, 0.2218, 0.2658

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.



41.6952, 0.1825, 0.2094



41.6952, 0.4807, 0.3779



41.6952, 0.1855, 0.3158

Square

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



41.6952, 0.4807, 0.3779



41.6952, 0.3089, 0.4766



41.6952, 0.1688, 0.2452



41.6952, 0.2975, 0.2229

Rectangle

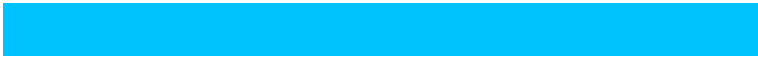
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.6952, 0.4807, 0.3779



41.6952, 0.4126, 0.4701



41.6952, 0.1688, 0.2452



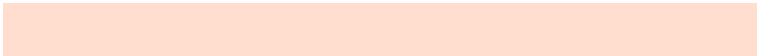
41.6952, 0.2080, 0.2025

Sweetspot

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



41.6972, 0.4807, 0.3779



77.7269, 0.3474, 0.3443



33.5587, 0.3705, 0.2207



15.9993, 0.3537, 0.3467



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.



41.6972, 0.4807, 0.3779



35.2859, 0.5268, 0.3799



74.6085, 0.4207, 0.4517



18.9020, 0.3287, 0.3364



14.2431, 0.5944, 0.3662



1.5710, 0.5723, 0.3838

Inverse Universe

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



53.1900, 0.2218, 0.2658



47.3162, 0.2097, 0.2510



24.3083, 0.1970, 0.1600



19.4792, 0.2980, 0.3215



20.3262, 0.1958, 0.2247



2.1734, 0.1995, 0.2380

Previews

White Background



This preview shows how the Yxy color 41.6952, 0.4807, 0.3779 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 41.6952, 0.4807, 0.3779 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 41.6952, 0.4807, 0.3779

Background



This preview shows how black text looks on a background with the Yxy color 41.6952, 0.4807, 0.3779.



This preview shows how white text looks on a background with the Yxy color 41.6952, 0.4807, 0.3779.

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

41.6952, 0.4807, 0.3779

Protanopia

41.8338, 0.3882, 0.4198

Deuteranopia

41.7610, 0.4289, 0.4199



Tritanopia

41.5751, 0.4271, 0.3189

Trichromacy



Original Color

41.6952, 0.4807, 0.3779

Protanomaly

41.0569, 0.4222, 0.4036

Deuteranomaly

41.3461, 0.4479, 0.4035

Tritanomaly

41.5747, 0.4481, 0.3417

Monochromacy



Original Color

41.6952, 0.4807, 0.3779

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.0295, 0.3703, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6952, 0.4807, 0.3779 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, 143, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 93)  
}
```

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, 143, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 93) }
```

Border

The CSS property to change the border of an element to Yxy 41.6952, 0.4807, 0.3779 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, 143, 93) }
```

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

```
.border{ border-color:rgb(255, 143, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 143, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6952, 0.4807, 0.3779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 93) }
```

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

```
.background{ background-color: rgb(255,  
143, 93) }
```

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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