

Converting Colors

$Y_{xy}(41.4694, 0.4923, 0.3891)$

Have a look what the booklet for
Yxy(41.4694, 0.4923, 0.3891)
contains.

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Color

Yxy(41.4694, 0.4923, 0.3891)

Conversions

Conversions Part 1

Format	Color
Hex	FF8F4F
RGB	255, 143, 79
RGB Percent	100%, 56%, 31%
CMY	0.0001, 0.4391, 0.6901
CMYK	0.00, 0.44, 0.69, 0.00
HSL	22°, 100%, 65%
HSV	22°, 69%, 100%
XYZ	52.4682, 41.4694, 12.6401
YIQ	169.1920, 87.2960, 3.8400

Conversions

Conversions Part 2

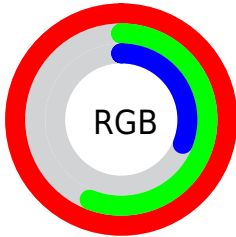
Format	Color
R_{YB}	255, 180, 79
Decimal	16748367
CIE _{Lab}	70.50, 37.30, 51.58
CIE _{LCh}	71, 63.654, 54.125
Yxy	41.4694, 0.4923, 0.3891
Android (android.graphics.Color)	4294938447 (0xFFFF8F4F)
YUV	169.1920, -44.4647, 75.2536
Hunter-Lab	64.3967, 32.7413, 33.4400

Details

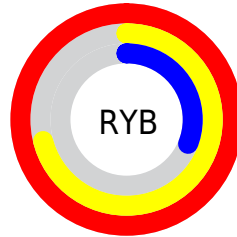
The Yxy color **41.4694, 0.4923, 0.3891** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **46.1342, 0.2129, 0.2461**, and the grayscale version is **39.9715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2599, 0.4128, 0.3989**, and **18.9083, 0.5373, 0.3914** is the 20% darker color. If you saturate the color by 10%, you get **36.6439, 0.5261, 0.3899**, and if you desaturate by 10%, it is **47.1461, 0.4579, 0.3842**.

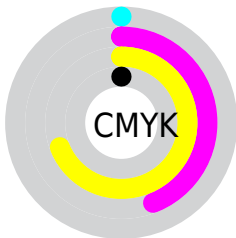
Distribution



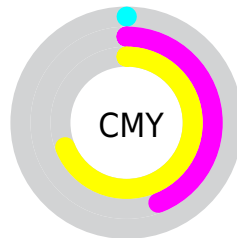
- Red (100%)
- Green (56%)
- Blue (31%)



- Red (100%)
- Yellow (71%)
- Blue (31%)



- Cyan (0%)
- Magenta (44%)
- Yellow (69%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4694, 0.4923, 0.3891 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 41.4694, 0.4923, 0.3891 by changing the saturation by 10% instead.

 41.4694, 0.4923,
0.3891


 41.4694, 0.4923,
0.3891


352.2787, 0.4033,
0.3675


 28.6860, 0.5127,
0.3911


 77.3959, 0.4610,
0.3837


 18.8435, 0.5373,
0.3917


 101.3079, 0.4488,
0.3809


 11.5572, 0.5669,
0.3890


 129.6983, 0.4385,
0.3782

 6.4429, 0.6107,
0.3851

 162.9513, 0.4295,
0.3758

 3.1162, 0.6428,
0.3572

 201.4515, 0.4216,
0.3734

 1.1927, 0.6893,
0.3107

245.5832, 0.4148,

 0.0557, 0.9456,

0.3713

0.0544

295.7308, 0.4087,
0.3693

0.0000, 0.0000,
0.0000

41.4694, 0.4923,
0.3891

41.4694, 0.4923,
0.3891

36.6439, 0.5261,
0.3899

47.1461, 0.4579,
0.3842

32.6156, 0.5564,
0.3855

53.7103, 0.4253,
0.3764


29.3289, 0.5808,
0.3762

61.2036, 0.3956,
0.3670

29.0388, 0.5831,
0.3752

69.6629, 0.3695,
0.3570

79.1229, 0.3469,
0.3469

 89.6163, 0.3276,
0.3372

99.9956, 0.3127,
0.3290

Harmonies

Analogous

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



41.4694, 0.4765, 0.3247



41.4694, 0.4923, 0.3891



41.4694, 0.4533, 0.4528

Triad

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



41.4694, 0.4923, 0.3891



41.4694, 0.2179, 0.4006



41.4694, 0.2288, 0.1967

Complementary

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



41.4694, 0.4923, 0.3891



46.1342, 0.2129, 0.2461

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.



41.4694, 0.1785, 0.1980



41.4694, 0.4923, 0.3891



41.4694, 0.1714, 0.2998

Square

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



41.4694, 0.4923, 0.3891



41.4694, 0.2941, 0.4837



41.4694, 0.1594, 0.2300



41.4694, 0.3095, 0.2208

Rectangle

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



41.4694, 0.4923, 0.3891



41.4694, 0.4069, 0.4864



41.4694, 0.1594, 0.2300



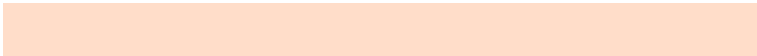
41.4694, 0.2085, 0.1941

Sweetspot

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



41.4716, 0.4923, 0.3891



77.1727, 0.3512, 0.3489



30.7187, 0.3886, 0.2223



15.9492, 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.



41.4716, 0.4923, 0.3891



34.9497, 0.5388, 0.3888



77.6290, 0.4228, 0.4653



19.0686, 0.3285, 0.3377



15.4344, 0.5801, 0.3776



1.7019, 0.5585, 0.3947

Inverse Universe

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



46.1342, 0.2129, 0.2461



39.5895, 0.1999, 0.2263



19.0698, 0.1853, 0.1340



19.3051, 0.2980, 0.3201



17.6153, 0.1903, 0.2050



1.9231, 0.1946, 0.2207

Previews

White Background



This preview shows how the Yxy color 41.4694, 0.4923, 0.3891 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 41.4694, 0.4923, 0.3891 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 41.4694, 0.4923, 0.3891

Background



This preview shows how black text looks on a background with the Yxy color 41.4694, 0.4923, 0.3891.



This preview shows how white text looks on a background with the Yxy color 41.4694, 0.4923, 0.3891.

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

41.4694, 0.4923, 0.3891

Protanopia

41.6848, 0.4008, 0.4369

Deuteranopia

41.3415, 0.4409, 0.4315



Tritanopia

41.5435, 0.4282, 0.3200

Trichromacy



Original Color

41.4694, 0.4923, 0.3891



Protanomaly

40.7927, 0.4345, 0.4191



Deuteranomaly

40.9568, 0.4606, 0.4145



Tritanomaly

41.4213, 0.4545, 0.3478

Monochromacy



Original Color

41.4694, 0.4923, 0.3891



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

39.1985, 0.3755, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4694, 0.4923, 0.3891 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 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, 143, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 79) }
```

Border

The CSS property to change the border of an element to Yxy 41.4694, 0.4923, 0.3891 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, 79) }
```

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

```
.border{ border-color:rgb(255, 143, 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, 143, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4694, 0.4923, 0.3891 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, 79) }
```

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

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