

Converting Colors

$Y_{xy}(44.7071, 0.4753, 0.3904)$

Have a look what the booklet for
Yxy(44.7071, 0.4753, 0.3904)
contains.

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Color

Yxy(44.7807, 0.4749, 0.3904)

Conversions

Conversions Part 1

Format	Color
Hex	FF995A
RGB	255, 153, 90
RGB Percent	100%, 60%, 35%
CMY	0.0001, 0.3999, 0.6470
CMYK	0.00, 0.40, 0.65, 0.00
HSL	23°, 100%, 68%
HSV	23°, 65%, 100%
XYZ	54.4732, 44.7807, 15.4507
YIQ	176.3160, 81.0150, 2.0310

Conversions

Conversions Part 2

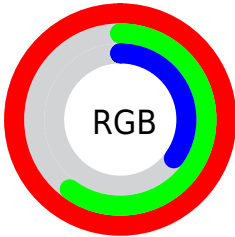
Format	Color
R_{YB}	255, 192, 90
Decimal	16750938
CIE _{Lab}	72.75, 32.79, 48.69
CIE _{LCh}	73, 58.706, 56.044
Yxy	44.7807, 0.4749, 0.3904
Android (android.graphics.Color)	4294941018 (0xFFFF995A)
YUV	176.3160, -42.5538, 69.0059
Hunter-Lab	66.9184, 28.1963, 33.1535

Details

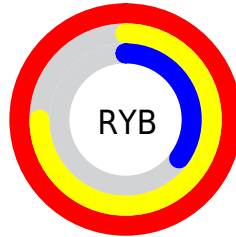
The Yxy color **44.7807, 0.4749, 0.3904** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **47.0906, 0.2167, 0.2482**, and the grayscale version is **43.7875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3247, 0.3989, 0.3969**, and **20.7980, 0.5156, 0.3967** is the 20% darker color. If you saturate the color by 10%, you get **39.5966, 0.5084, 0.3935**, and if you desaturate by 10%, it is **50.7999, 0.4419, 0.3837**.

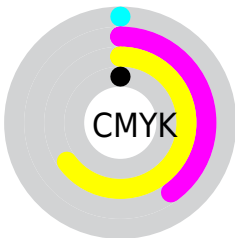
Distribution



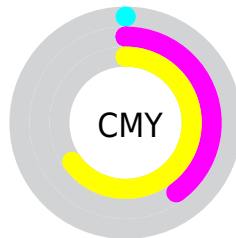
- Red (100%)
- Green (60%)
- Blue (35%)



- Red (100%)
- Yellow (75%)
- Blue (35%)



- Cyan (0%)
- Magenta (40%)
- Yellow (65%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7807, 0.4749, 0.3904 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 44.7807, 0.4749, 0.3904 by changing the saturation by 10% instead.


 44.7807, 0.4749,
0.3904

 44.7807, 0.4749,
0.3904


365.8847, 0.3950,
0.3667

 31.2847, 0.4933,
0.3936


 82.3912, 0.4468,
0.3837


 20.8158, 0.5157,
0.3961


 107.2746, 0.4359,
0.3806

 12.9894, 0.5431,
0.3965


 136.7225, 0.4265,
0.3778

 7.4212, 0.5778,
0.3934

 171.1194, 0.4185,
0.3751

 3.7269, 0.6194,
0.3806

210.8497, 0.4115,
0.3727

 1.5220, 0.6578,
0.3422

256.2977, 0.4053,

 0.3041, 0.7856,

0.3705

0.2144

307.8479, 0.3998,
0.3685

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

44.7807, 0.4749,
0.3904

44.7807, 0.4749,
0.3904

39.5966, 0.5084,
0.3935

50.7999, 0.4419,
0.3837

35.1982, 0.5397,
0.3917


57.6860, 0.4110,
0.3746

31.5399, 0.5662,
0.3846

65.4772, 0.3834,
0.3644

29.8741, 0.5781,
0.3792

74.2073, 0.3591,
0.3538

 83.9079, 0.3381,
0.3433

 94.6094, 0.3202,
0.3334

99.9969, 0.3127,
0.3290

Harmonies

Analogous

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



44.7807, 0.4627, 0.3304



44.7807, 0.4749, 0.3904



44.7807, 0.4385, 0.4470

Triad

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



44.7807, 0.4749, 0.3904



44.7807, 0.2236, 0.3873



44.7807, 0.2406, 0.2082

Complementary

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



44.7807, 0.4749, 0.3904



47.0906, 0.2167, 0.2482

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.



44.7807, 0.1918, 0.2084



44.7807, 0.4749, 0.3904



44.7807, 0.1820, 0.2989

Square

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



44.7807, 0.4749, 0.3904



44.7807, 0.2925, 0.4630



44.7807, 0.1721, 0.2369



44.7807, 0.3158, 0.2320

Rectangle

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



44.7807, 0.4749, 0.3904



44.7807, 0.3958, 0.4743



44.7807, 0.1721, 0.2369



44.7807, 0.2211, 0.2054

Sweetspot

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



44.7830, 0.4749, 0.3904



79.6209, 0.3468, 0.3478



32.4911, 0.3854, 0.2290



16.4527, 0.3528, 0.3508



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.



44.7830, 0.4749, 0.3904



38.0627, 0.5191, 0.3935



80.2673, 0.4154, 0.4617



19.1240, 0.3285, 0.3381



15.8777, 0.5751, 0.3815



1.7491, 0.5539, 0.3984

Inverse Universe

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



47.0906, 0.2167, 0.2482



40.3237, 0.2028, 0.2283



20.9867, 0.1919, 0.1435



19.2479, 0.2979, 0.3197



16.7815, 0.1885, 0.1985



1.8452, 0.1931, 0.2149

Previews

White Background



This preview shows how the Yxy color 44.7807, 0.4749, 0.3904 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 44.7807, 0.4749, 0.3904 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 44.7807, 0.4749, 0.3904

Background



This preview shows how black text looks on a background with the Yxy color 44.7807, 0.4749, 0.3904.



This preview shows how white text looks on a background with the Yxy color 44.7807, 0.4749, 0.3904.

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

44.7807, 0.4749, 0.3904

Protanopia

45.0114, 0.3953, 0.4298

Deuteranopia

44.7935, 0.4340, 0.4238



Tritanopia

44.8741, 0.4128, 0.3199

Trichromacy



Original Color

44.7807, 0.4749, 0.3904

Protanomaly

44.4994, 0.4237, 0.4153

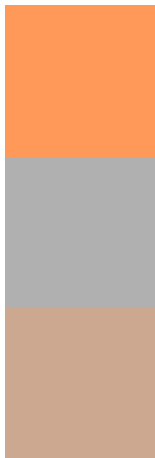
Deuteranomaly

44.5627, 0.4491, 0.4118

Tritanomaly

44.7661, 0.4370, 0.3470

Monochromacy



Original Color

44.7807, 0.4749, 0.3904

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.0287, 0.3688, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7807, 0.4749, 0.3904 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, 153, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 90)  
}
```

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, 153, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 90) }
```

Border

The CSS property to change the border of an element to Yxy 44.7807, 0.4749, 0.3904 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, 153, 90) }
```

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

```
.border{ border-color:rgb(255, 153, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7807, 0.4749, 0.3904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 90) }
```

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

```
.background{ background-color: rgb(255,  
153, 90) }
```

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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