

Converting Colors

$Y_{xy}(45.9904, 0.4703, 0.3821)$

Have a look what the booklet for
Yxy(45.9904, 0.4703, 0.3821)
contains.

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Color

Yxy(45.2721, 0.4667, 0.3838)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | FF9A63 |
| RGB | 255, 154, 99 |
| RGB Percent | 100%, 60%, 39% |
| CMY | 0.0000, 0.3961, 0.6119 |
| CMYK | 0.00, 0.40, 0.61, 0.00 |
| HSL | 21°, 100%, 69% |
| HSV | 21°, 61%, 100% |
| XYZ | 55.0508, 45.2721, 17.6347 |
| YIQ | 177.9290, 77.8510, 4.3070 |

Conversions

Conversions Part 2

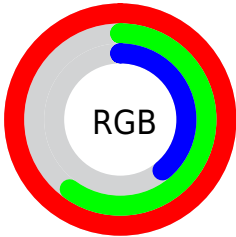
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 255, 184, 99 |
| Decimal | 16751203 |
| CIELab | 73.07, 32.86, 44.55 |
| CIELCh | 73, 55.359, 53.589 |
| Yxy | 45.2721, 0.4667, 0.3838 |
| Android (android.graphics.Color) | 4294941283 (0xFFFF9A63) |
| YUV | 177.9290, -38.9120, 67.5913 |
| Hunter-Lab | 67.2845, 28.2969, 31.5598 |

Details

The Yxy color **45.2721, 0.4667, 0.3838** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.1682, 0.2223, 0.2595**, and the grayscale version is **44.6580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0953, 0.3919, 0.3889**, and **21.2024, 0.5066, 0.3895** is the 20% darker color. If you saturate the color by 10%, you get **39.7793, 0.5017, 0.3877**, and if you desaturate by 10%, it is **51.6674, 0.4331, 0.3768**.

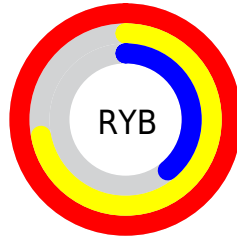
Distribution



Red (100%)

Green (60%)

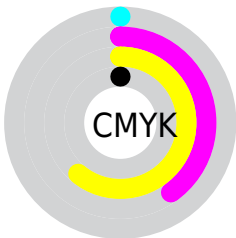
Blue (39%)



Red (100%)

Yellow (72%)

Blue (39%)

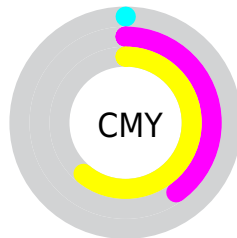


Cyan (0%)

Magenta (40%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2721, 0.4667, 0.3838 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 45.2721, 0.4667, 0.3838 by changing the saturation by 10% instead.


 45.2721, 0.4667,
0.3838


 45.2721, 0.4667,
0.3838


367.8745, 0.3904,
0.3624


 31.6718, 0.4846,
0.3869


 83.1286, 0.4396,
0.3777


 21.1109, 0.5067,
0.3894


 108.1535, 0.4292,
0.3749

 13.2051, 0.5340,
0.3903


 137.7555, 0.4203,
0.3723

 7.5699, 0.5679,
0.3875

 172.3189, 0.4127,
0.3699

 3.8210, 0.6187,
0.3813

212.2281, 0.4060,
0.3678

 1.5740, 0.6565,
0.3435

257.8675, 0.4001,

 0.3399, 0.7731,

0.3658

0.2269

309.6215, 0.3950,
0.3640

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.2721, 0.4667,
0.3838

45.2721, 0.4667,
0.3838

39.7793, 0.5017,
0.3877

51.6674, 0.4331,
0.3768

35.1447, 0.5355,
0.3872

59.0079, 0.4023,
0.3680

31.3173, 0.5651,
0.3815

67.3324, 0.3752,
0.3583

28.5606, 0.5861,
0.3729

76.6771, 0.3517,
0.3485

 87.0766, 0.3316,
0.3390

 98.5638, 0.3146,
0.3300

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.



45.2721, 0.4505, 0.3266



45.2721, 0.4667, 0.3838



45.2721, 0.4364, 0.4377

Triad

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



45.2721, 0.4667, 0.3838



45.2721, 0.2334, 0.3906



45.2721, 0.2399, 0.2133

Complementary

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



45.2721, 0.4667, 0.3838



51.1682, 0.2223, 0.2595

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.



45.2721, 0.1954, 0.2158



45.2721, 0.4667, 0.3838



45.2721, 0.1910, 0.3074

Square

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



45.2721, 0.4667, 0.3838



45.2721, 0.3004, 0.4576



45.2721, 0.1788, 0.2460



45.2721, 0.3095, 0.2342

Rectangle

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



45.2721, 0.4667, 0.3838



45.2721, 0.3976, 0.4639



45.2721, 0.1788, 0.2460



45.2721, 0.2220, 0.2113

Sweetspot

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



45.2717, 0.4667, 0.3838



79.8744, 0.3449, 0.3454



34.3675, 0.3767, 0.2305



16.4705, 0.3511, 0.3482



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.



45.2717, 0.4667, 0.3838



38.8764, 0.5080, 0.3880



79.6466, 0.4122, 0.4545



19.0350, 0.3285, 0.3374



15.1766, 0.5831, 0.3752



1.6741, 0.5613, 0.3925

Inverse Universe

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



51.1682, 0.2223, 0.2595



45.0259, 0.2095, 0.2433



23.8836, 0.1991, 0.1574



19.3401, 0.2980, 0.3204



18.1383, 0.1914, 0.2089



1.9718, 0.1956, 0.2242

Previews

White Background



This preview shows how the Yxy color 45.2721, 0.4667, 0.3838 looks on a white background.

Color Contrast Check

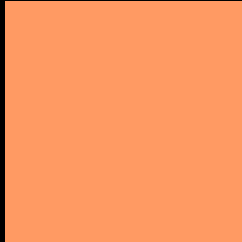
Large Text (above 18pt) WCAG AA × Fail

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 45.2721, 0.4667, 0.3838 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 45.2721, 0.4667, 0.3838

Background



This preview shows how black text looks on a background with the Yxy color 45.2721, 0.4667, 0.3838.



This preview shows how white text looks on a background with the Yxy color 45.2721, 0.4667, 0.3838.

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

45.2721, 0.4667, 0.3838

Protanopia

45.5955, 0.3879, 0.4205

Deuteranopia

45.1677, 0.4256, 0.4166



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.2721, 0.4667, 0.3838

Protanomaly

45.0512, 0.4157, 0.4069

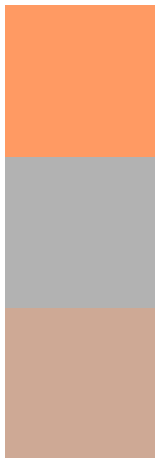
Deuteranomaly

45.0784, 0.4413, 0.4046

Tritanomaly

45.1994, 0.4324, 0.3439

Monochromacy



Original Color

45.2721, 0.4667, 0.3838

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.6677, 0.3657, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2721, 0.4667, 0.3838 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, 154, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 99)  
}
```

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, 154, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 99) }
```

Border

The CSS property to change the border of an element to Yxy 45.2721, 0.4667, 0.3838 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, 154, 99) }
```

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

```
.border{ border-color:rgb(255, 154, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 154, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2721, 0.4667, 0.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 99) }
```

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

```
.background{ background-color: rgb(255,  
154, 99) }
```

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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