

Converting Colors

$Y_{xy}(44.3315, 0.5076, 0.3910)$

Have a look what the booklet for
Yxy(44.3315, 0.5076, 0.3910)
contains.

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Color

Yxy(41.6615, 0.4974, 0.3958)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | FF9047 |
| RGB | 255, 144, 71 |
| RGB Percent | 100%, 56%, 28% |
| CMY | 0.0000, 0.4353, 0.7216 |
| CMYK | 0.00, 0.44, 0.72, 0.00 |
| HSL | 24°, 100%, 64% |
| HSV | 24°, 72%, 100% |
| XYZ | 52.3558, 41.6615, 11.2417 |
| YIQ | 168.8670, 89.5890, 0.8290 |

Conversions

Conversions Part 2

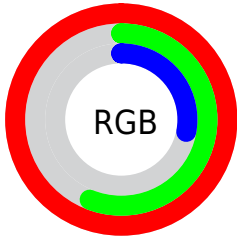
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 255, 192, 71 |
| Decimal | 16748615 |
| CIE _{Lab} | 70.64, 36.43, 55.55 |
| CIE _{LCh} | 71, 66.431, 56.739 |
| Yxy | 41.6615, 0.4974, 0.3958 |
| Android (android.graphics.Color) | 4294938695 (0xFFFF9047) |
| YUV | 168.8670, -48.2484, 75.5386 |
| Hunter-Lab | 64.5457, 31.8340, 34.8557 |

Details

The Yxy color **41.6615, 0.4974, 0.3958** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **42.0140, 0.2075, 0.2332**, and the grayscale version is **39.8144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5369, 0.4173, 0.4064**, and **18.9012, 0.5416, 0.3988** is the 20% darker color. If you saturate the color by 10%, you get **37.0519, 0.5288, 0.3956**, and if you desaturate by 10%, it is **47.0404, 0.4645, 0.3914**.

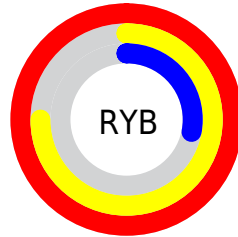
Distribution



Red (100%)

Green (56%)

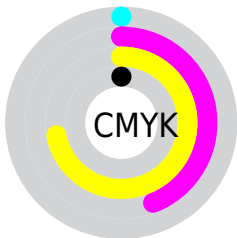
Blue (28%)



Red (100%)

Yellow (75%)

Blue (28%)

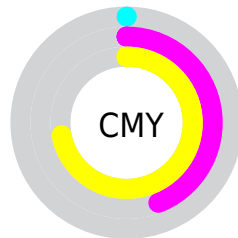


Cyan (0%)

Magenta (44%)

Yellow (72%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6615, 0.4974, 0.3958 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 41.6615, 0.4974, 0.3958 by changing the saturation by 10% instead.


 41.6615, 0.4974,
0.3958

 41.6615, 0.4974,
0.3958


353.0778, 0.4067,
0.3719


 28.8363, 0.5177,
0.3979


 77.6871, 0.4658,
0.3899


 18.9570, 0.5418,
0.3984


 101.6562, 0.4535,
0.3868

 11.6392, 0.5702,
0.3953


 130.1089, 0.4429,
0.3839

 6.4985, 0.6104,
0.3896

 163.4294, 0.4337,
0.3811

 3.1505, 0.6392,
0.3608

 202.0021, 0.4257,
0.3785

 1.2108, 0.6848,
0.3152

246.2115, 0.4186,

 0.0705, 0.9317,

0.3762

0.0683

296.4419, 0.4123,
0.3740

■ 0.0000, 0.0000,
0.0000

■ 41.6615, 0.4974,
0.3958

■ 41.6615, 0.4974,
0.3958

■ 37.0519, 0.5288,
0.3956

■ 47.0404, 0.4645,
0.3914

■ 33.1720, 0.5562,
0.3901


■ 53.2323, 0.4326,
0.3835


■ 30.6002, 0.5739,
0.3825

■ 60.2719, 0.4030,
0.3737

■ 68.1927, 0.3765,
0.3629

■ 77.0261, 0.3533,
0.3519

 86.8021, 0.3333,
0.3412

 97.5489, 0.3161,
0.3311

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.



41.6615, 0.4872, 0.3293



41.6615, 0.4974, 0.3958



41.6615, 0.4521, 0.4615

Triad

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



41.6615, 0.4974, 0.3958



41.6615, 0.2084, 0.3942



41.6615, 0.2317, 0.1935

Complementary

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



41.6615, 0.4974, 0.3958



42.0140, 0.2075, 0.2332

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.



41.6615, 0.1773, 0.1923



41.6615, 0.4974, 0.3958



41.6615, 0.1641, 0.2901

Square

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



41.6615, 0.4974, 0.3958



41.6615, 0.2850, 0.4862



41.6615, 0.1549, 0.2217



41.6615, 0.3176, 0.2204

Rectangle

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



41.6615, 0.4974, 0.3958



41.6615, 0.4023, 0.4956



41.6615, 0.1549, 0.2217



41.6615, 0.2099, 0.1901

Sweetspot

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



41.6601, 0.4974, 0.3958



77.1748, 0.3529, 0.3518



29.2457, 0.4017, 0.2251



15.9853, 0.3589, 0.3547



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.



41.6601, 0.4974, 0.3958



35.0860, 0.5427, 0.3936



80.2946, 0.4225, 0.4733



19.1695, 0.3284, 0.3385



16.2607, 0.5710, 0.3848



1.7894, 0.5501, 0.4014

Inverse Universe

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



42.0140, 0.2075, 0.2332



35.1771, 0.1942, 0.2102



16.2936, 0.1786, 0.1187



19.2010, 0.2979, 0.3193



16.1194, 0.1870, 0.1932



1.7830, 0.1917, 0.2102

Previews

White Background



This preview shows how the Yxy color 41.6615, 0.4974, 0.3958 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 41.6615, 0.4974, 0.3958 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 41.6615, 0.4974, 0.3958

Background



This preview shows how black text looks on a background with the Yxy color 41.6615, 0.4974, 0.3958.



This preview shows how white text looks on a background with the Yxy color 41.6615, 0.4974, 0.3958.

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

41.6615, 0.4974, 0.3958

Protanopia

41.6728, 0.4081, 0.4461

Deuteranopia

41.8909, 0.4476, 0.4389



Tritanopia

41.5435, 0.4282, 0.3200

Trichromacy



Original Color

41.6615, 0.4974, 0.3958

Protanomaly

40.8236, 0.4415, 0.4262

Deuteranomaly

41.3422, 0.4667, 0.4222

Tritanomaly

41.3481, 0.4576, 0.3507

Monochromacy



Original Color

41.6615, 0.4974, 0.3958

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.1144, 0.3785, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6615, 0.4974, 0.3958 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, 144, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 71)  
}
```

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, 144, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 71) }
```

Border

The CSS property to change the border of an element to Yxy 41.6615, 0.4974, 0.3958 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, 144, 71) }
```

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

```
.border{ border-color:rgb(255, 144, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6615, 0.4974, 0.3958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 71) }
```

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

```
.background{ background-color: rgb(255,  
144, 71) }
```

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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