

Converting Colors

Yxy(47.9180, 0.5226, 0.3880)

Have a look what the booklet for
Yxy(47.9180, 0.5226, 0.3880)
contains.

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Color

Yxy(41.5999, 0.5008, 0.3991)

Conversions

Conversions Part 1

Format	Color
Hex	FF9042
RGB	255, 144, 66
RGB Percent	100%, 56%, 26%
CMY	0.0000, 0.4353, 0.7411
CMYK	0.00, 0.44, 0.74, 0.00
HSL	25°, 100%, 63%
HSV	25°, 74%, 100%
XYZ	52.2005, 41.5999, 10.4339
YIQ	168.2970, 91.1940, -0.7260

Conversions

Conversions Part 2

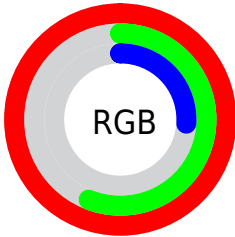
Format	Color
R_{YB}	255, 199, 66
Decimal	16748610
CIE _{Lab}	70.59, 36.21, 57.78
CIE _{LCh}	71, 68.189, 57.922
Yxy	41.5999, 0.5008, 0.3991
Android (android.graphics.Color)	4294938690 (0xFFFF9042)
YUV	168.2970, -50.4324, 76.0385
Hunter-Lab	64.4980, 31.5950, 35.5572

Details

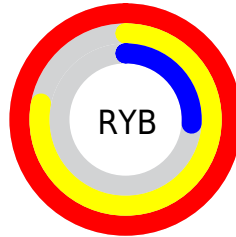
The Yxy color **41.5999, 0.5008, 0.3991** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **39.8275, 0.2044, 0.2260**, and the grayscale version is **39.5303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4149, 0.4208, 0.4110**, and **18.8783, 0.5447, 0.4016** is the 20% darker color. If you saturate the color by 10%, you get **37.1230, 0.5308, 0.3982**, and if you desaturate by 10%, it is **46.8123, 0.4688, 0.3951**.

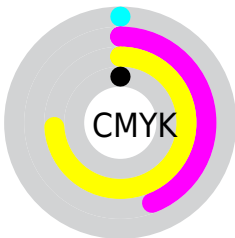
Distribution



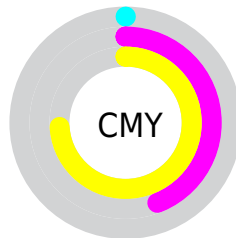
- Red (100%)
- Green (56%)
- Blue (26%)



- Red (100%)
- Yellow (78%)
- Blue (26%)



- Cyan (0%)
- Magenta (44%)
- Yellow (74%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5999, 0.5008, 0.3991 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 41.5999, 0.5008, 0.3991 by changing the saturation by 10% instead.


 41.5999, 0.5008,
0.3991

 41.5999, 0.5008,
0.3991


352.8217, 0.4090,
0.3743

 28.7881, 0.5211,
0.4012


 77.5937, 0.4690,
0.3930


 18.9206, 0.5450,
0.4014


 101.5446, 0.4566,
0.3899

 11.6129, 0.5729,
0.3979


 129.9773, 0.4458,
0.3868

 6.4807, 0.6098,
0.3902

 163.2761, 0.4364,
0.3839

 3.1395, 0.6386,
0.3614

 201.8256, 0.4283,
0.3812

 1.2050, 0.6841,
0.3159

246.0101, 0.4211,

 0.0658, 0.9353,

0.3787

0.0647

296.2140, 0.4147,
0.3764

■ 0.0000, 0.0000,
0.0000

■ 41.5999, 0.5008,
0.3991

■ 41.5999, 0.5008,
0.3991

■ 37.1230, 0.5308,
0.3982

■ 46.8123, 0.4688,
0.3951

■ 33.3392, 0.5565,
0.3919

■ 52.7987, 0.4372,
0.3875

■ 31.4097, 0.5694,
0.3861

■ 59.5937, 0.4076,
0.3776

■ 67.2294, 0.3809,
0.3665

■ 75.7361, 0.3573,
0.3550

 85.1421, 0.3369,
0.3438

 95.4747, 0.3192,
0.3332

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.



41.5999, 0.4934, 0.3313



41.5999, 0.5008, 0.3991



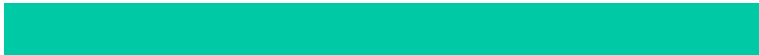
41.5999, 0.4521, 0.4663

Triad

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



41.5999, 0.5008, 0.3991



41.5999, 0.2032, 0.3914



41.5999, 0.2326, 0.1913

Complementary

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



41.5999, 0.5008, 0.3991



39.8275, 0.2044, 0.2260

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.



41.5999, 0.1759, 0.1888



41.5999, 0.5008, 0.3991



41.5999, 0.1598, 0.2851

Square

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



41.5999, 0.5008, 0.3991



41.5999, 0.2803, 0.4885



41.5999, 0.1520, 0.2172



41.5999, 0.3215, 0.2197

Rectangle

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



41.5999, 0.5008, 0.3991



41.5999, 0.4003, 0.5010



41.5999, 0.1520, 0.2172



41.5999, 0.2099, 0.1875

Sweetspot

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



41.5997, 0.5008, 0.3991



77.6481, 0.3528, 0.3526



28.4287, 0.4095, 0.2266



16.0964, 0.3587, 0.3557



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.



41.5997, 0.5008, 0.3991



35.1904, 0.5441, 0.3958



81.7026, 0.4223, 0.4776



19.2183, 0.3284, 0.3389



16.6894, 0.5665, 0.3884



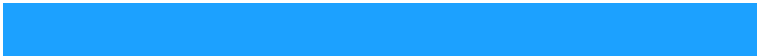
1.8341, 0.5460, 0.4047

Inverse Universe

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



39.8275, 0.2044, 0.2260



33.0787, 0.1914, 0.2020



14.8614, 0.1748, 0.1104



19.1510, 0.2979, 0.3189



15.4336, 0.1854, 0.1875



1.7182, 0.1903, 0.2052

Previews

White Background



This preview shows how the Yxy color 41.5999, 0.5008, 0.3991 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 41.5999, 0.5008, 0.3991 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 41.5999, 0.5008, 0.3991

Background



This preview shows how black text looks on a background with the Yxy color 41.5999, 0.5008, 0.3991.



This preview shows how white text looks on a background with the Yxy color 41.5999, 0.5008, 0.3991.

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

41.5999, 0.5008, 0.3991

Protanopia

41.5880, 0.4121, 0.4520

Deuteranopia

41.4761, 0.4515, 0.4416



Tritanopia

41.5435, 0.4282, 0.3200

Trichromacy



Original Color

41.5999, 0.5008, 0.3991

Protanomaly

40.7427, 0.4456, 0.4314

Deuteranomaly

41.2847, 0.4698, 0.4258

Tritanomaly

41.3242, 0.4587, 0.3517

Monochromacy



Original Color

41.5999, 0.5008, 0.3991

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.7143, 0.3809, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5999, 0.5008, 0.3991 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 66)  
}
```

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, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 66) }
```

Border

The CSS property to change the border of an element to Yxy 41.5999, 0.5008, 0.3991 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, 66) }
```

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

```
.border{ border-color:rgb(255, 144, 66) }
```

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, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5999, 0.5008, 0.3991 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, 66) }
```

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

```
.background{ background-color: rgb(255,  
144, 66) }
```

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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