

Converting Colors

Yxy(44.5464, 0.4956, 0.4125)

Have a look what the booklet for
Yxy(44.5464, 0.4956, 0.4125)
contains.

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Color

Yxy(44.6870, 0.4952, 0.4130)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A3B
RGB	255, 154, 59
RGB Percent	100%, 60%, 23%
CMY	0.0000, 0.3960, 0.7688
CMYK	0.00, 0.40, 0.77, 0.00
HSL	29°, 100%, 62%
HSV	29°, 77%, 100%
XYZ	53.5811, 44.6870, 9.9328
YIQ	173.3690, 90.6910, -8.1330

Conversions

Conversions Part 2

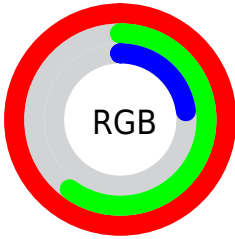
Format	Color
R _Y B	255, 243, 59
Decimal	16751163
CIE Lab	72.69, 30.78, 62.87
CIE LCh	73, 70.002, 63.917
Yxy	44.6870, 0.4952, 0.4130
Android (android.graphics.Color)	4294941243 (0xFFFF9A3B)
YUV	173.3690, -56.3839, 71.5904
Hunter-Lab	66.8483, 26.0890, 37.9841

Details

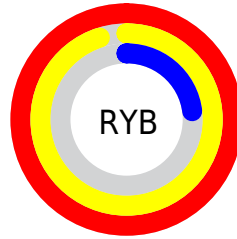
The Yxy color **44.6870, 0.4952, 0.4130** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **33.2652, 0.1964, 0.2016**, and the grayscale version is **42.2462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0308, 0.4187, 0.4254**, and **20.7092, 0.5319, 0.4158** is the 20% darker color. If you saturate the color by 10%, you get **40.3849, 0.5207, 0.4121**, and if you desaturate by 10%, it is **49.5972, 0.4672, 0.4087**.

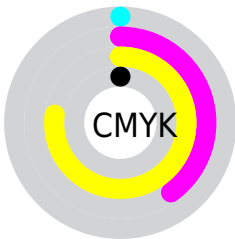
Distribution



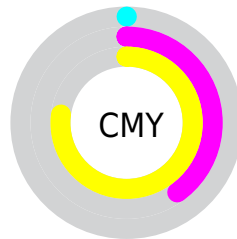
- Red (100%)
- Green (60%)
- Blue (23%)



- Red (100%)
- Yellow (95%)
- Blue (23%)



- Cyan (0%)
- Magenta (40%)
- Yellow (77%)
- Black (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6870, 0.4952, 0.4130 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 44.6870, 0.4952, 0.4130 by changing the saturation by 10% instead.


 44.6870, 0.4952,
0.4130


 44.6870, 0.4952,
0.4130


365.5044, 0.4083,
0.3820


 31.2110, 0.5136,
0.4164


 82.2505, 0.4658,
0.4049


 20.7595, 0.5348,
0.4182

 107.1068, 0.4540,
0.4009

 12.9483, 0.5591,
0.4168


 136.5253, 0.4438,
0.3971

 7.3930, 0.5890,
0.4110

 170.8903, 0.4349,
0.3936

 3.7091, 0.6124,
0.3876

 210.5864, 0.4270,
0.3903

 1.5122, 0.6493,
0.3507

255.9978, 0.4201,

 0.2973, 0.7792,

0.3873

0.2208

307.5090, 0.4139,
0.3845

0.0000, 0.0000,
0.0000

44.6870, 0.4952,
0.4130

44.6870, 0.4952,
0.4130

40.3849, 0.5207,
0.4121

49.5972, 0.4672,
0.4087

36.6476, 0.5420,
0.4057

55.1397, 0.4386,
0.4002

35.5848, 0.5481,
0.4030

61.3447, 0.4110,
0.3891

68.2380, 0.3854,
0.3764

75.8438, 0.3622,
0.3631

84.1847, 0.3417,
0.3500

93.2821, 0.3237,
0.3373

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



44.6870, 0.5006, 0.3445



44.6870, 0.4952, 0.4130



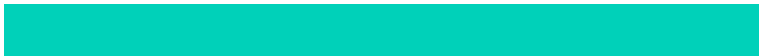
44.6870, 0.4380, 0.4785

Triad

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



44.6870, 0.4952, 0.4130



44.6870, 0.1913, 0.3686



44.6870, 0.2479, 0.1948

Complementary

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



44.6870, 0.4952, 0.4130



33.2652, 0.1964, 0.2016

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.



44.6870, 0.1843, 0.1868



44.6870, 0.4952, 0.4130



44.6870, 0.1552, 0.2678

Square

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



44.6870, 0.4952, 0.4130



44.6870, 0.2628, 0.4741



44.6870, 0.1540, 0.2084



44.6870, 0.3420, 0.2279

Rectangle

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



44.6870, 0.4952, 0.4130



44.6870, 0.3831, 0.5081



44.6870, 0.1540, 0.2084



44.6870, 0.2229, 0.1892

Sweetspot

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



44.6893, 0.4952, 0.4130



78.9985, 0.3540, 0.3580



26.9278, 0.4387, 0.2403



16.2808, 0.3617, 0.3628



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.



44.6893, 0.4952, 0.4130



38.4066, 0.5322, 0.4095



91.0189, 0.4139, 0.4909



19.4409, 0.3282, 0.3406



18.8919, 0.5455, 0.4051



2.0571, 0.5273, 0.4195

Inverse Universe

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



33.2652, 0.1964, 0.2016



26.4934, 0.1828, 0.1736



11.6174, 0.1674, 0.0901



18.9253, 0.2979, 0.3172



12.6038, 0.1785, 0.1624



1.4460, 0.1841, 0.1826

Previews

White Background



This preview shows how the Yxy color 44.6870, 0.4952, 0.4130 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 44.6870, 0.4952, 0.4130 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 44.6870, 0.4952, 0.4130

Background



This preview shows how black text looks on a background with the Yxy color 44.6870, 0.4952, 0.4130.



This preview shows how white text looks on a background with the Yxy color 44.6870, 0.4952, 0.4130.

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

44.6870, 0.4952, 0.4130

Protanopia

44.9129, 0.4197, 0.4606

Deuteranopia

44.8631, 0.4561, 0.4469



Tritanopia

44.5618, 0.4132, 0.3188

Trichromacy



Original Color

44.6870, 0.4952, 0.4130

Protanomaly

44.3240, 0.4478, 0.4432

Deuteranomaly

44.4986, 0.4706, 0.4340

Tritanomaly

44.4532, 0.4491, 0.3591

Monochromacy



Original Color

44.6870, 0.4952, 0.4130

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.6349, 0.3799, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6870, 0.4952, 0.4130 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 59) }
```

Border

The CSS property to change the border of an element to Yxy 44.6870, 0.4952, 0.4130 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, 59) }
```

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

```
.border{ border-color:rgb(255, 154, 59) }
```

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, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6870, 0.4952, 0.4130 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, 59) }
```

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

```
.background{ background-color: rgb(255,  
154, 59) }
```

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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