

# Converting Colors

$Y_{xy}(43.2479, 0.4996, 0.4087)$

Have a look what the booklet for  
Yxy(43.2479, 0.4996, 0.4087)  
contains.

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# Color

**Yxy(43.3885, 0.4992, 0.4091)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF963B
RGB	255, 150, 59
RGB Percent	100%, 59%, 23%
CMY	0.0000, 0.4118, 0.7685
CMYK	0.00, 0.41, 0.77, 0.00
HSL	28°, 100%, 62%
HSV	28°, 77%, 100%
XYZ	52.9444, 43.3885, 9.7256
YIQ	171.0210, 91.7910, -6.0410

# Conversions

## Conversions Part 2

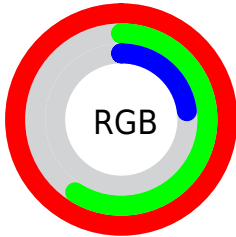
Format	Color
R <sub>Y</sub> B	255, 229, 59
Decimal	16750139
CIE Lab	71.82, 32.87, 62.01
CIE LCh	72, 70.183, 62.069
Yxy	43.3885, 0.4992, 0.4091
Android (android.graphics.Color)	4294940219 (0xFFFF963B)
YUV	171.0210, -55.2264, 73.6496
Hunter-Lab	65.8699, 28.2007, 37.3549

# Details

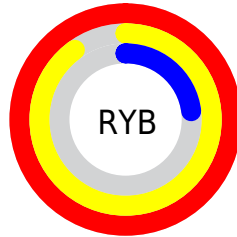
The Yxy color **43.3885, 0.4992, 0.4091** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **34.7158, 0.1979, 0.2074**, and the grayscale version is **40.9817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0925, 0.4212, 0.4218**, and **19.9418, 0.5380, 0.4110** is the 20% darker color. If you saturate the color by 10%, you get **39.0729, 0.5258, 0.4078**, and if you desaturate by 10%, it is **48.3355, 0.4701, 0.4052**.

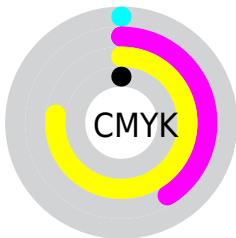
# Distribution



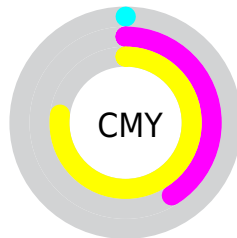
- Red (100%)
- Green (59%)
- Blue (23%)



- Red (100%)
- Yellow (90%)
- Blue (23%)



- Cyan (0%)
- Magenta (41%)
- Yellow (77%)
- Black (0%)




- Cyan (0%)
- Magenta (41%)
- Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.3885, 0.4992, 0.4091 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 43.3885, 0.4992, 0.4091 by changing the saturation by 10% instead.





 43.3885, 0.4992,  
0.4091

 43.3885, 0.4992,  
0.4091


360.2070, 0.4098,  
0.3801


 30.1901, 0.5183,  
0.4119


 80.2968, 0.4688,  
0.4018

 19.9829, 0.5404,  
0.4130

 104.7754, 0.4566,  
0.3980


 12.3826, 0.5660,  
0.4106


 133.7829, 0.4461,  
0.3945

 7.0048, 0.5970,  
0.4030

 167.7037, 0.4370,  
0.3911

 3.4651, 0.6225,  
0.3775

 206.9221, 0.4289,  
0.3880

 1.3791, 0.6629,  
0.3371

251.8225, 0.4218,

 0.2012, 0.8329,

0.3852

0.1671

302.7894, 0.4154,  
0.3825

■ 0.0000, 0.0000,  
0.0000

■ 43.3885, 0.4992,  
0.4091

■ 43.3885, 0.4992,  
0.4091

■ 39.0729, 0.5258,  
0.4078

■ 48.3355, 0.4701,  
0.4052

■ 35.3596, 0.5479,  
0.4009


■ 53.9563, 0.4406,  
0.3973

■ 34.3015, 0.5543,  
0.3981

■ 60.2778, 0.4122,  
0.3866

■ 67.3276, 0.3861,  
0.3744

■ 75.1314, 0.3626,  
0.3617

 83.7135, 0.3418,  
0.3490

 93.0970, 0.3237,  
0.3369

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.



43.3885, 0.5010, 0.3402



43.3885, 0.4992, 0.4091



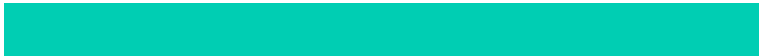
43.3885, 0.4436, 0.4762

# Triad

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



43.3885, 0.4992, 0.4091



43.3885, 0.1933, 0.3762



43.3885, 0.2422, 0.1922

# Complementary

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



43.3885, 0.4992, 0.4091



34.7158, 0.1979, 0.2074

# 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.



43.3885, 0.1802, 0.1858



43.3885, 0.4992, 0.4091



43.3885, 0.1548, 0.2720

# Square

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



43.3885, 0.4992, 0.4091



43.3885, 0.2674, 0.4812



43.3885, 0.1516, 0.2095



43.3885, 0.3358, 0.2241



# Rectangle

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



43.3885, 0.4992, 0.4091



43.3885, 0.3890, 0.5083



43.3885, 0.1516, 0.2095



43.3885, 0.2177, 0.1871

# Sweetspot

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



43.3854, 0.4992, 0.4091



78.3433, 0.3542, 0.3568



27.1740, 0.4289, 0.2342



16.1231, 0.3620, 0.3614



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.



43.3854, 0.4992, 0.4091



37.0890, 0.5378, 0.4049



87.0028, 0.4182, 0.4868



19.3767, 0.3283, 0.3401



18.2152, 0.5516, 0.4002



1.9895, 0.5327, 0.4153

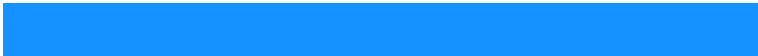


# Inverse Universe

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



34.7158, 0.1979, 0.2074



27.9646, 0.1847, 0.1803



12.3857, 0.1688, 0.0951



18.9899, 0.2979, 0.3177



13.3702, 0.1804, 0.1695



1.5206, 0.1859, 0.1890



# Previews

## White Background



This preview shows how the Yxy color 43.3885, 0.4992, 0.4091 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 43.3885, 0.4992, 0.4091 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 43.3885, 0.4992, 0.4091**

## Background



This preview shows how black text looks on a background with the Yxy color 43.3885, 0.4992, 0.4091.



This preview shows how white text looks on a background with the Yxy color 43.3885, 0.4992, 0.4091.

# 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

43.3885, 0.4992, 0.4091

### Protanopia

43.7079, 0.4185, 0.4604

### Deuteranopia

43.2666, 0.4568, 0.4464



## Tritanopia

43.5064, 0.4188, 0.3199

# Trichromacy



**Original Color**

43.3885, 0.4992, 0.4091

**Protanomaly**

42.9017, 0.4488, 0.4413

**Deuteranomaly**

43.0892, 0.4724, 0.4327

**Tritanomaly**

43.1497, 0.4537, 0.3569

# Monochromacy



**Original Color**

43.3885, 0.4992, 0.4091

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

40.3626, 0.3821, 0.3718

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.3885, 0.4992, 0.4091 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, 150, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 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, 150, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 59) }
```

## Border

The CSS property to change the border of an element to Yxy 43.3885, 0.4992, 0.4091 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, 150, 59) }
```

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

```
.border{ border-color:rgb(255, 150, 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, 150, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
59) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.3885, 0.4992, 0.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 59) }
```

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

```
.background{ background-color: rgb(255,  
150, 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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