

# Converting Colors

Yxy(51.7193, 0.4789, 0.4376)

Have a look what the booklet for  
Yxy(51.7193, 0.4789, 0.4376)  
contains.

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# Color

**Yxy(51.5647, 0.4793, 0.4370)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEAE31
RGB	254, 174, 49
RGB Percent	100%, 68%, 19%
CMY	0.0040, 0.3176, 0.8079
CMYK	0.00, 0.31, 0.81, 0.00
HSL	37°, 99%, 59%
HSV	37°, 81%, 100%
XYZ	56.5560, 51.5647, 9.8764
YIQ	183.6700, 87.8050, -21.9150

# Conversions

## Conversions Part 2

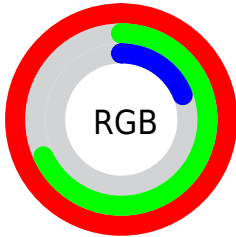
Format	Color
R <sub>Y</sub> B	180, 254, 49
Decimal	16690737
CIE Lab	77.02, 19.60, 70.52
CIE LCh	77, 73.191, 74.466
Yxy	51.5647, 0.4793, 0.4370
Android (android.graphics.Color)	4294880817 (0xFFFEAE31)
YUV	183.6700, -66.3923, 61.6794
Hunter-Lab	71.8086, 14.9205, 42.1114

# Details

The Yxy color **51.5647, 0.4793, 0.4370** 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 **23.4921, 0.1832, 0.1594**, and the grayscale version is **48.0790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3392, 0.4102, 0.4472**, and **25.1255, 0.5021, 0.4396** is the 20% darker color. If you saturate the color by 10%, you get **47.7218, 0.4973, 0.4369**, and if you desaturate by 10%, it is **55.8157, 0.4583, 0.4318**.

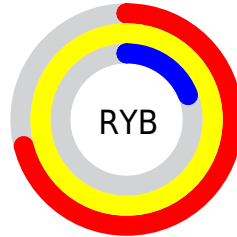
# Distribution



Red (100%)

Green (68%)

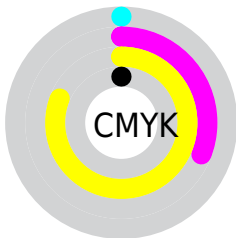
Blue (19%)



Red (71%)

Yellow (100%)

Blue (19%)

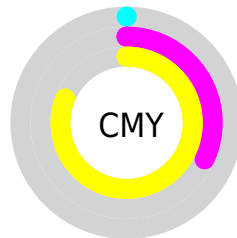


Cyan (0%)

Magenta (31%)

Yellow (81%)

Black (0%)



Cyan (0%)

Magenta (32%)


Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5647, 0.4793, 0.4370 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 51.5647, 0.4793, 0.4370 by changing the saturation by 10% instead.





 51.5647, 0.4793,  
0.4370


 51.5647, 0.4793,  
0.4370


392.7538, 0.4039,  
0.3948


 36.6582, 0.4941,  
0.4430


 92.4889, 0.4547,  
0.4250

 24.9430, 0.5105,  
0.4480


 119.2755, 0.4446,  
0.4195


 16.0346, 0.5283,  
0.4510


 150.7909, 0.4357,  
0.4144

 9.5486, 0.5489,  
0.4511


 187.4195, 0.4278,  
0.4098

 5.1007, 0.5623,  
0.4377

 229.5457, 0.4208,  
0.4055

 2.3065, 0.5833,  
0.4167

 277.5538, 0.4146,

 0.7771, 0.6214,

0.4016

0.3786

331.8284, 0.4090,  
0.3981

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 51.5647, 0.4793,  
0.4370

■ 51.5647, 0.4793,  
0.4370

■ 47.7218, 0.4973,  
0.4369

■ 55.8157, 0.4583,  
0.4318

■ 44.4790, 0.5111,  
0.4324

■ 60.4907, 0.4355,  
0.4222

■ 65.6125, 0.4122,  
0.4091

■ 71.1998, 0.3894,  
0.3940

77.2694, 0.3679,  
0.3778

83.8371, 0.3480,  
0.3614

90.9176, 0.3299,  
0.3454

98.5250, 0.3138,  
0.3301

99.8056, 0.3121,  
0.3290

# Harmonies

## Analogous

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



51.5647, 0.5054, 0.3683



51.5647, 0.4793, 0.4370



51.5647, 0.4100, 0.4961

# Triad

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



51.5647, 0.4793, 0.4370



51.5647, 0.1747, 0.3294



51.5647, 0.2783, 0.2041

# Complementary

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



51.5647, 0.4793, 0.4370



23.4921, 0.1832, 0.1594

# 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.



51.5647, 0.2031, 0.1869



51.5647, 0.4793, 0.4370



51.5647, 0.1515, 0.2423

# Square

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



51.5647, 0.4793, 0.4370



51.5647, 0.2345, 0.4408



51.5647, 0.1614, 0.1974



51.5647, 0.3784, 0.2448



# Rectangle

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



51.5647, 0.4793, 0.4370



51.5647, 0.3515, 0.5129



51.5647, 0.1614, 0.1974



51.5647, 0.2496, 0.1955

# Sweetspot

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



51.5673, 0.4793, 0.4370



82.3703, 0.3543, 0.3668



24.8997, 0.4858, 0.2627



17.1254, 0.3614, 0.3727



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.



51.5673, 0.4793, 0.4370



45.9091, 0.5068, 0.4341



88.4913, 0.3996, 0.5070



19.8314, 0.3279, 0.3435



23.7509, 0.5092, 0.4339



2.5251, 0.4961, 0.4443



# Inverse Universe

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



23.4921, 0.1832, 0.1594



17.1957, 0.1687, 0.1255



10.6330, 0.1694, 0.0839



18.5397, 0.2979, 0.3141



8.7501, 0.1675, 0.1230



1.0568, 0.1737, 0.1454



# Previews

## White Background



This preview shows how the Yxy color 51.5647, 0.4793, 0.4370 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 51.5647, 0.4793, 0.4370 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 51.5647, 0.4793, 0.4370**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5647, 0.4793, 0.4370.



This preview shows how white text looks on a background with the Yxy color 51.5647, 0.4793, 0.4370.

# 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

51.5647, 0.4793, 0.4370

### Protanopia

51.8148, 0.4284, 0.4723

### Deuteranopia

51.7703, 0.4624, 0.4521



## Tritanopia

51.6670, 0.3868, 0.3187

# Trichromacy



## Original Color

51.5647, 0.4793, 0.4370

## Protanomaly

51.6039, 0.4472, 0.4589

## Deuteranomaly

51.4585, 0.4690, 0.4462

## Tritanomaly

51.2476, 0.4290, 0.3698

# Monochromacy



## Original Color

51.5647, 0.4793, 0.4370

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

47.9471, 0.3770, 0.3847

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5647, 0.4793, 0.4370 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(254, 174, 49)` looks like.

```
.text, #text, p{  
    color:rgb(254, 174, 49)  
}
```

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(254, 174, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 174, 49) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5647, 0.4793, 0.4370 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(254, 174, 49) }
```

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

```
.border{ border-color:rgb(254, 174, 49) }
```

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

Here you see how a box with a 4 pixel rgb(254, 174, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 174, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 174, 49);  
box-shadow:4px 4px 4px 4px rgb(254, 174,  
49) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5647, 0.4793, 0.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 174, 49) }
```

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

```
.background{ background-color: rgb(254,  
174, 49) }
```

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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