

Converting Colors

Yxy(51.5448, 0.4842, 0.4404)

Have a look what the booklet for
Yxy(51.5448, 0.4842, 0.4404)
contains.

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Color

Yxy(51.6720, 0.4839, 0.4408)

Conversions

Conversions Part 1

Format	Color
Hex	FFAE26
RGB	255, 174, 38
RGB Percent	100%, 68%, 15%
CMY	0.0000, 0.3176, 0.8505
CMYK	0.00, 0.32, 0.85, 0.00
HSL	38°, 100%, 57%
HSV	38°, 85%, 100%
XYZ	56.7243, 51.6720, 8.8269
YIQ	182.7150, 91.9320, -25.1240

Conversions

Conversions Part 2

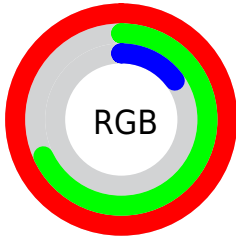
Format	Color
R _Y B	167, 255, 38
Decimal	16756262
CIE Lab	77.08, 19.74, 73.93
CIE LCh	77, 76.521, 75.050
Yxy	51.6720, 0.4839, 0.4408
Android (android.graphics.Color)	4294946342 (0xFFFFAE26)
YUV	182.7150, -71.3445, 63.3939
Hunter-Lab	71.8832, 15.0618, 43.0377

Details

The Yxy color **51.6720, 0.4839, 0.4408** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **20.8491, 0.1773, 0.1452**, and the grayscale version is **47.5584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1805, 0.4142, 0.4532**, and **25.2565, 0.5030, 0.4388** is the 20% darker color. If you saturate the color by 10%, you get **48.0124, 0.4996, 0.4387**, and if you desaturate by 10%, it is **55.7102, 0.4649, 0.4375**.

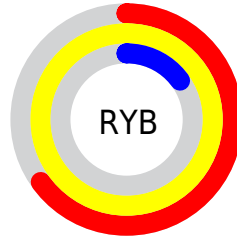
Distribution



Red (100%)

Green (68%)

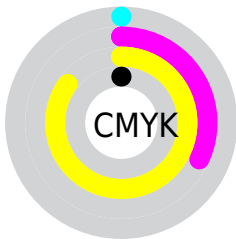
Blue (15%)



Red (65%)

Yellow (100%)

Blue (15%)

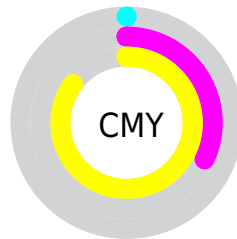


Cyan (0%)

Magenta (32%)

Yellow (85%)

Black (0%)



Cyan (0%)


Magenta (32%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6720, 0.4839, 0.4408 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 51.6720, 0.4839, 0.4408 by changing the saturation by 10% instead.


 51.6720, 0.4839,
0.4408

 51.6720, 0.4839,
0.4408


393.1690, 0.4074,
0.3980


 36.7437, 0.4985,
0.4465

 92.6473, 0.4593,
0.4290


 25.0091, 0.5144,
0.4510


 119.4631, 0.4490,
0.4234


 16.0838, 0.5321,
0.4536


 151.0103, 0.4400,
0.4182

 9.5835, 0.5492,
0.4508

 187.6731, 0.4319,
0.4135

 5.1237, 0.5627,
0.4373

 229.8359, 0.4248,
0.4091

 2.3200, 0.5837,
0.4163

 277.8833, 0.4183,

 0.7843, 0.6218,

0.4051

0.3782

332.1995, 0.4126,
0.4014

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.6720, 0.4839,
0.4408

■ 51.6720, 0.4839,
0.4408

■ 48.0124, 0.4996,
0.4387

■ 55.7102, 0.4649,
0.4375

■ 46.3228, 0.5063,
0.4362

■ 60.1440, 0.4435,
0.4294

■ 64.9973, 0.4209,
0.4173

■ 70.2886, 0.3983,
0.4026

76.0350, 0.3765,
0.3864

82.2521, 0.3561,
0.3696

88.9548, 0.3374,
0.3529

96.1567, 0.3206,
0.3368

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.



51.6720, 0.5133, 0.3696



51.6720, 0.4839, 0.4408



51.6720, 0.4107, 0.5032

Triad

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



51.6720, 0.4839, 0.4408



51.6720, 0.1686, 0.3266



51.6720, 0.2784, 0.2004

Complementary

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



51.6720, 0.4839, 0.4408



20.8491, 0.1773, 0.1452

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.



51.6720, 0.2001, 0.1821



51.6720, 0.4839, 0.4408



51.6720, 0.1459, 0.2369

Square

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



51.6720, 0.4839, 0.4408



51.6720, 0.2293, 0.4444



51.6720, 0.1568, 0.1919



51.6720, 0.3831, 0.2427

Rectangle

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



51.6720, 0.4839, 0.4408



51.6720, 0.3499, 0.5214



51.6720, 0.1568, 0.1919



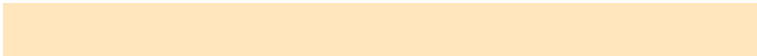
51.6720, 0.2485, 0.1914

Sweetspot

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



51.6746, 0.4839, 0.4408



81.6509, 0.3580, 0.3712



24.0379, 0.5053, 0.2675



17.0074, 0.3649, 0.3770



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.



51.6746, 0.4839, 0.4408



46.3276, 0.5063, 0.4362



88.4243, 0.3982, 0.5130



19.8839, 0.3278, 0.3439



24.5032, 0.5045, 0.4376



2.5956, 0.4922, 0.4474

Inverse Universe

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



20.8491, 0.1773, 0.1452



15.4430, 0.1654, 0.1152



9.6833, 0.1654, 0.0769



18.4888, 0.2979, 0.3137



8.3314, 0.1662, 0.1182



1.0125, 0.1724, 0.1407

Previews

White Background



This preview shows how the Yxy color 51.6720, 0.4839, 0.4408 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 51.6720, 0.4839, 0.4408 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 51.6720, 0.4839, 0.4408

Background



This preview shows how black text looks on a background with the Yxy color 51.6720, 0.4839, 0.4408.



This preview shows how white text looks on a background with the Yxy color 51.6720, 0.4839, 0.4408.

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

51.6720, 0.4839, 0.4408

Protanopia

51.7322, 0.4320, 0.4775

Deuteranopia

51.8640, 0.4670, 0.4562



Tritanopia

51.6670, 0.3868, 0.3187

Trichromacy



Original Color

51.6720, 0.4839, 0.4408

Protanomaly

51.5160, 0.4511, 0.4642

Deuteranomaly

51.5550, 0.4738, 0.4504

Tritanomaly

51.1423, 0.4326, 0.3738

Monochromacy



Original Color

51.6720, 0.4839, 0.4408

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.8095, 0.3813, 0.3908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6720, 0.4839, 0.4408 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, 174, 38)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 38)  
}
```

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, 174, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 38) }
```

Border

The CSS property to change the border of an element to Yxy 51.6720, 0.4839, 0.4408 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, 174, 38) }
```

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

```
.border{ border-color:rgb(255, 174, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 174, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 38);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6720, 0.4839, 0.4408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 38) }
```

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

```
.background{ background-color: rgb(255,  
174, 38) }
```

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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