

Converting Colors

$Y_{xy}(47.6064, 0.4986, 0.4351)$

Have a look what the booklet for
Yxy(47.6064, 0.4986, 0.4351)
contains.

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Color

Yxy(47.5246, 0.4989, 0.4350)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFA319 |
| RGB | 255, 163, 25 |
| RGB Percent | 100%, 64%, 10% |
| CMY | 0.0001, 0.3607, 0.9018 |
| CMYK | 0.00, 0.36, 0.90, 0.00 |
| HSL | 36°, 100%, 55% |
| HSV | 36°, 90%, 100% |
| XYZ | 54.5058, 47.5246, 7.2216 |
| YIQ | 174.7760, 99.1300, -23.4140 |

Conversions

Conversions Part 2

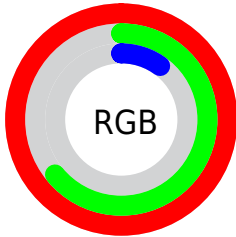
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 178, 255, 25 |
| Decimal | 16753433 |
| CIE Lab | 74.52, 25.21, 75.12 |
| CIE LCh | 75, 79.238, 71.445 |
| Yxy | 47.5246, 0.4989, 0.4350 |
| Android (android.graphics.Color) | 4294943513 (0xFFFFA319) |
| YUV | 174.7760, -73.8396, 70.3564 |
| Hunter-Lab | 68.9381, 20.4891, 42.0458 |

Details

The Yxy color **47.5246, 0.4989, 0.4350** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **20.1447, 0.1746, 0.1417**, and the grayscale version is **43.1024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1074, 0.4261, 0.4514**, and **22.5753, 0.5183, 0.4267** is the 20% darker color. If you saturate the color by 10%, you get **44.0407, 0.5139, 0.4301**, and if you desaturate by 10%, it is **51.4603, 0.4802, 0.4351**.

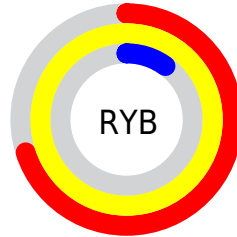
Distribution



Red (100%)

Green (64%)

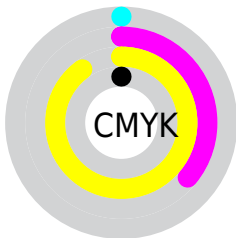
Blue (10%)



Red (70%)

Yellow (100%)

Blue (10%)

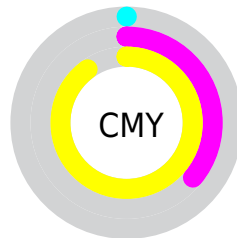


Cyan (0%)

Magenta (36%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (36%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5246, 0.4989, 0.4350 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 47.5246, 0.4989, 0.4350 by changing the saturation by 10% instead.


 47.5246, 0.4989,
0.4350


 47.5246, 0.4989,
0.4350


376.9046, 0.4148,
0.3966

 33.4506, 0.5149,
0.4389


 86.4962, 0.4718,
0.4252


 22.4718, 0.5323,
0.4409


 112.1625, 0.4605,
0.4203


 14.2040, 0.5543,
0.4422


 142.4617, 0.4506,
0.4156

 8.2627, 0.5690,
0.4310

 177.7781, 0.4417,
0.4112

 4.2635, 0.5875,
0.4125

 218.4963, 0.4338,
0.4071

 1.8220, 0.6166,
0.3834

 265.0005, 0.4268,

 0.5008, 0.6904,

0.4033

0.3096

317.6751, 0.4205,
0.3998

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.5246, 0.4989,
0.4350

■ 47.5246, 0.4989,
0.4350

■ 44.0407, 0.5139,
0.4301


■ 51.4603, 0.4802,
0.4351


■ 55.8149, 0.4587,
0.4299

■ 60.6150, 0.4354,
0.4202

■ 65.8815, 0.4117,
0.4072

 71.6334, 0.3887,
0.3922

 77.8882, 0.3670,
0.3762

 84.6622, 0.3471,
0.3601

 91.9706, 0.3291,
0.3443

99.8280, 0.3130,
0.3293

Harmonies

Analogous

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



47.5246, 0.5244, 0.3607



47.5246, 0.4989, 0.4350



47.5246, 0.4247, 0.5055

Triad

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



47.5246, 0.4989, 0.4350



47.5246, 0.1661, 0.3401



47.5246, 0.2642, 0.1904

Complementary

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



47.5246, 0.4989, 0.4350



20.1447, 0.1746, 0.1417

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.



47.5246, 0.1868, 0.1746



47.5246, 0.4989, 0.4350



47.5246, 0.1387, 0.2395

Square

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



47.5246, 0.4989, 0.4350



47.5246, 0.2336, 0.4668



47.5246, 0.1463, 0.1881



47.5246, 0.3733, 0.2316

Rectangle

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



47.5246, 0.4989, 0.4350



47.5246, 0.3618, 0.5326



47.5246, 0.1463, 0.1881



47.5246, 0.2342, 0.1821

Sweetspot

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



47.5271, 0.4989, 0.4350



80.0056, 0.3605, 0.3711



23.2362, 0.5149, 0.2671



16.6429, 0.3675, 0.3766



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.



47.5271, 0.4989, 0.4350



44.0510, 0.5139, 0.4301



88.7255, 0.4016, 0.5149



19.8004, 0.3279, 0.3432



23.3178, 0.5120, 0.4317



2.4843, 0.4985, 0.4424

Inverse Universe

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



20.1447, 0.1746, 0.1417



16.7176, 0.1675, 0.1228



8.5440, 0.1590, 0.0693



18.5699, 0.2979, 0.3143



9.0079, 0.1683, 0.1258



1.0839, 0.1745, 0.1482

Previews

White Background



This preview shows how the Yxy color 47.5246, 0.4989, 0.4350 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 47.5246, 0.4989, 0.4350 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 47.5246, 0.4989, 0.4350

Background



This preview shows how black text looks on a background with the Yxy color 47.5246, 0.4989, 0.4350.



This preview shows how white text looks on a background with the Yxy color 47.5246, 0.4989, 0.4350.

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

47.5246, 0.4989, 0.4350

Protanopia

47.6453, 0.4356, 0.4813

Deuteranopia

47.4498, 0.4714, 0.4615



Tritanopia

47.4193, 0.4016, 0.3187

Trichromacy



Original Color

47.5246, 0.4989, 0.4350

Protanomaly

46.9867, 0.4591, 0.4640

Deuteranomaly

47.3092, 0.4816, 0.4521

Tritanomaly

46.9286, 0.4505, 0.3741

Monochromacy



Original Color

47.5246, 0.4989, 0.4350

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.3193, 0.3894, 0.3936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5246, 0.4989, 0.4350 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, 163, 25)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 25)  
}
```

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, 163, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 25) }
```

Border

The CSS property to change the border of an element to Yxy 47.5246, 0.4989, 0.4350 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, 163, 25) }
```

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

```
.border{ border-color:rgb(255, 163, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 163, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 25);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5246, 0.4989, 0.4350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 25) }
```

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

```
.background{ background-color: rgb(255,  
163, 25) }
```

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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