

Converting Colors

$Y_{xy}(48.3739, 0.4574, 0.3901)$

Have a look what the booklet for
Yxy(48.3739, 0.4574, 0.3901)
contains.

| | |
|--|----|
| Yxy(48.4137, 0.4573, 0.3902) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(48.4137, 0.4573, 0.3902)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | FFA366 |
| RGB | 255, 163, 102 |
| RGB Percent | 100%, 64%, 40% |
| CMY | 0.0000, 0.3608, 0.6000 |
| CMYK | 0.00, 0.36, 0.60, 0.00 |
| HSL | 24°, 100%, 70% |
| HSV | 24°, 60%, 100% |
| XYZ | 56.7391, 48.4137, 18.9213 |
| YIQ | 183.5540, 74.4130, 0.5330 |

Conversions

Conversions Part 2

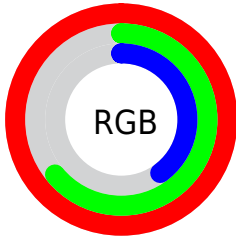
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 203, 102 |
| Decimal | 16753510 |
| CIE Lab | 75.09, 28.39, 45.44 |
| CIE LCh | 75, 53.578, 57.997 |
| Yxy | 48.4137, 0.4573, 0.3902 |
| Android (android.graphics.Color) | 4294943590 (0xFFFFA366) |
| YUV | 183.5540, -40.2061, 62.6581 |
| Hunter-Lab | 69.5800, 23.7932, 32.5829 |

Details

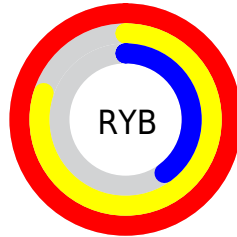
The Yxy color **48.4137, 0.4573, 0.3902** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.6228, 0.2216, 0.2517**, and the grayscale version is **47.8674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7359, 0.3860, 0.3946**, and **23.0861, 0.4937, 0.3991** is the 20% darker color. If you saturate the color by 10%, you get **42.8643, 0.4900, 0.3956**, and if you desaturate by 10%, it is **54.7782, 0.4258, 0.3818**.

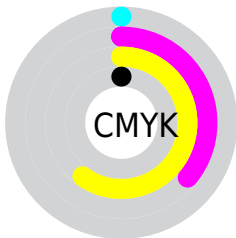
Distribution



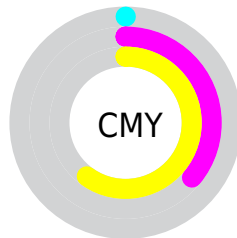
- Red (100%)
- Green (64%)
- Blue (40%)



- Red (100%)
- Yellow (80%)
- Blue (40%)



- Cyan (0%)
- Magenta (36%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (36%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4137, 0.4573, 0.3902 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 48.4137, 0.4573, 0.3902 by changing the saturation by 10% instead.

 48.4137, 0.4573,
0.3902

 48.4137, 0.4573,
0.3902


380.4296, 0.3865,
0.3653


 34.1546, 0.4737,
0.3943


 87.8200, 0.4324,
0.3827


 23.0124, 0.4938,
0.3982


 113.7361, 0.4227,
0.3794

 14.6027, 0.5185,
0.4012


 144.3066, 0.4145,
0.3764

 8.5410, 0.5490,
0.4014

 179.9159, 0.4074,
0.3738

 4.4430, 0.5976,
0.4024

220.9485, 0.4012,
0.3713

 1.9243, 0.6285,
0.3715

267.7887, 0.3957,

 0.5630, 0.6962,

0.3691

0.3038

320.8209, 0.3908,
0.3671

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.4137, 0.4573,
0.3902

48.4137, 0.4573,
0.3902

42.8643, 0.4900,
0.3956

54.7782, 0.4258,
0.3818

38.0925, 0.5219,
0.3965

61.9939, 0.3969,
0.3716

34.0556, 0.5502,
0.3922

70.0933, 0.3712,
0.3607

30.6995, 0.5733,
0.3830

79.1073, 0.3487,
0.3497

 89.0653, 0.3293,
0.3390

99.9950, 0.3127,
0.3290

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.



48.4137, 0.4484, 0.3353



48.4137, 0.4573, 0.3902



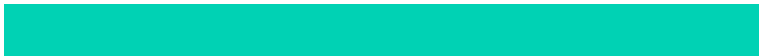
48.4137, 0.4236, 0.4394

Triad

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



48.4137, 0.4573, 0.3902



48.4137, 0.2299, 0.3756



48.4137, 0.2520, 0.2201

Complementary

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



48.4137, 0.4573, 0.3902



48.6228, 0.2216, 0.2517

Split Complementary

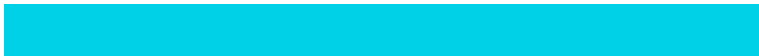
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.4137, 0.2054, 0.2192



48.4137, 0.4573, 0.3902



48.4137, 0.1932, 0.2988

Square

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



48.4137, 0.4573, 0.3902



48.4137, 0.2913, 0.4433



48.4137, 0.1854, 0.2444



48.4137, 0.3210, 0.2431

Rectangle

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



48.4137, 0.4573, 0.3902



48.4137, 0.3847, 0.4606



48.4137, 0.1854, 0.2444



48.4137, 0.2336, 0.2171

Sweetspot

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



48.4134, 0.4573, 0.3902



81.0267, 0.3446, 0.3475



34.7618, 0.3811, 0.2366



16.7493, 0.3506, 0.3507



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.



48.4134, 0.4573, 0.3902



41.8512, 0.4965, 0.3961



82.8736, 0.4075, 0.4566



19.1756, 0.3284, 0.3385



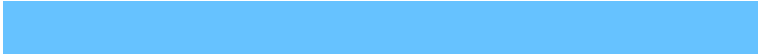
16.3133, 0.5704, 0.3853



1.7950, 0.5496, 0.4018

Inverse Universe

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



48.6228, 0.2216, 0.2517



41.9456, 0.2075, 0.2330



23.4387, 0.1999, 0.1550



19.1948, 0.2979, 0.3193



16.0322, 0.1868, 0.1925



1.7748, 0.1916, 0.2096

Previews

White Background



This preview shows how the Yxy color 48.4137, 0.4573, 0.3902 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 48.4137, 0.4573, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

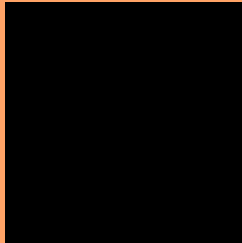
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.4137, 0.4573, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 48.4137, 0.4573, 0.3902.



This preview shows how white text looks on a background with the Yxy color 48.4137, 0.4573, 0.3902.

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

48.4137, 0.4573, 0.3902

Protanopia

48.5202, 0.3893, 0.4217

Deuteranopia

48.6760, 0.4247, 0.4163



Tritanopia

48.5409, 0.3975, 0.3187

Trichromacy



Original Color

48.4137, 0.4573, 0.3902

Protanomaly

48.0354, 0.4140, 0.4100

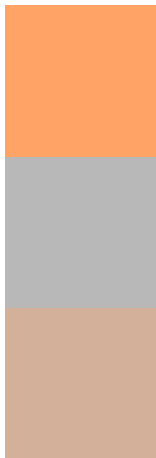
Deuteranomaly

48.4297, 0.4365, 0.4067

Tritanomaly

48.4152, 0.4207, 0.3461

Monochromacy



Original Color

48.4137, 0.4573, 0.3902

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.0854, 0.3627, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4137, 0.4573, 0.3902 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 102) }
```

Border

The CSS property to change the border of an element to Yxy 48.4137, 0.4573, 0.3902 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, 102) }
```

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

```
.border{ border-color:rgb(255, 163, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4137, 0.4573, 0.3902 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
163, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor