

Converting Colors

Yxy(52.8525, 0.4739, 0.3840)

Have a look what the booklet for
Yxy(52.8525, 0.4739, 0.3840)
contains.

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Color

Yxy(48.4337, 0.4564, 0.3893)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | FFA367 |
| RGB | 255, 163, 103 |
| RGB Percent | 100%, 64%, 40% |
| CMY | 0.0001, 0.3607, 0.5959 |
| CMYK | 0.00, 0.36, 0.60, 0.00 |
| HSL | 24°, 100%, 70% |
| HSV | 24°, 60%, 100% |
| XYZ | 56.7818, 48.4337, 19.1968 |
| YIQ | 183.6680, 74.0920, 0.8440 |

Conversions

Conversions Part 2

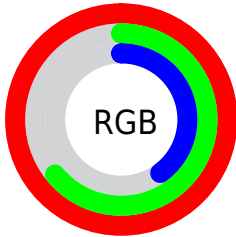
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 255, 202, 103 |
| Decimal | 16753511 |
| CIE Lab | 75.10, 28.45, 44.92 |
| CIE LCh | 75, 53.168, 57.655 |
| Yxy | 48.4337, 0.4564, 0.3893 |
| Android (android.graphics.Color) | 4294943591 (0xFFFFA367) |
| YUV | 183.6680, -39.7693, 62.5582 |
| Hunter-Lab | 69.5943, 23.8475, 32.3615 |

Details

The Yxy color **48.4337, 0.4564, 0.3893** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.1355, 0.2224, 0.2531**, and the grayscale version is **47.9362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7694, 0.3853, 0.3936**, and **23.1046, 0.4918, 0.3974** is the 20% darker color. If you saturate the color by 10%, you get **42.8488, 0.4893, 0.3947**, and if you desaturate by 10%, it is **54.8484, 0.4248, 0.3809**.

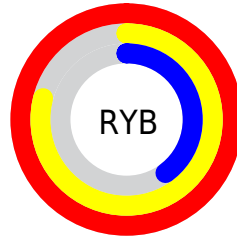
Distribution



Red (100%)

Green (64%)

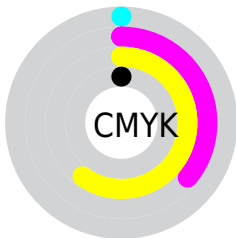
Blue (40%)



Red (100%)

Yellow (79%)

Blue (40%)

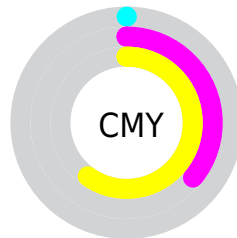


Cyan (0%)

Magenta (36%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (36%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4337, 0.4564, 0.3893 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 48.4337, 0.4564, 0.3893 by changing the saturation by 10% instead.


 48.4337, 0.4564,
0.3893

 48.4337, 0.4564,
0.3893


380.5086, 0.3860,
0.3648


 34.1705, 0.4727,
0.3933


 87.8498, 0.4316,
0.3819


 23.0246, 0.4928,
0.3972

 113.7714, 0.4220,
0.3787

 14.6117, 0.5175,
0.4003


 144.3480, 0.4138,
0.3757

 8.5473, 0.5481,
0.4006

 179.9639, 0.4067,
0.3731

 4.4471, 0.5977,
0.4023

221.0035, 0.4005,
0.3707

 1.9267, 0.6287,
0.3713

267.8513, 0.3951,

 0.5643, 0.6963,

0.3685

0.3037

320.8915, 0.3903,
0.3666

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.4337, 0.4564,
0.3893

48.4337, 0.4564,
0.3893

42.8488, 0.4893,
0.3947

54.8484, 0.4248,
0.3809

38.0477, 0.5214,
0.3958

62.1212, 0.3959,
0.3708

33.9900, 0.5502,
0.3916

70.2877, 0.3703,
0.3599

30.6212, 0.5736,
0.3825

79.3792, 0.3479,
0.3490

■ 30.4963, 0.5745,
0.3821

■ 89.4253, 0.3286,
0.3385

99.9964, 0.3127,
0.3290

Harmonies

Analogous

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



48.4337, 0.4470, 0.3348



48.4337, 0.4564, 0.3893



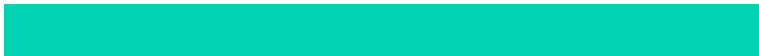
48.4337, 0.4235, 0.4382

Triad

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



48.4337, 0.4564, 0.3893



48.4337, 0.2311, 0.3761



48.4337, 0.2518, 0.2206

Complementary

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



48.4337, 0.4564, 0.3893



49.1355, 0.2224, 0.2531

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.



48.4337, 0.2057, 0.2201



48.4337, 0.4564, 0.3893



48.4337, 0.1943, 0.2999

Square

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



48.4337, 0.4564, 0.3893



48.4337, 0.2924, 0.4429



48.4337, 0.1862, 0.2455



48.4337, 0.3201, 0.2433

Rectangle

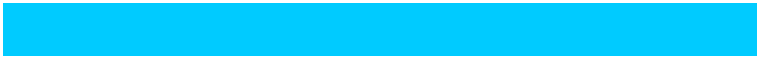
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.4337, 0.4564, 0.3893



48.4337, 0.3851, 0.4594



48.4337, 0.1862, 0.2455



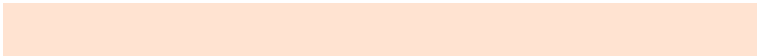
48.4337, 0.2336, 0.2178

Sweetspot

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



48.4362, 0.4564, 0.3893



80.9263, 0.3446, 0.3473



34.9831, 0.3804, 0.2371



16.7250, 0.3506, 0.3505



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.



48.4362, 0.4564, 0.3893



41.6287, 0.4972, 0.3954



82.9521, 0.4069, 0.4559



19.1634, 0.3284, 0.3384



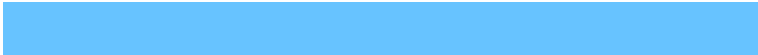
16.2083, 0.5715, 0.3844



1.7840, 0.5506, 0.4010

Inverse Universe

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



49.1355, 0.2224, 0.2531



42.2462, 0.2078, 0.2340



23.7216, 0.2007, 0.1563



19.2073, 0.2979, 0.3194



16.2071, 0.1872, 0.1939



1.7913, 0.1919, 0.2109

Previews

White Background



This preview shows how the Yxy color 48.4337, 0.4564, 0.3893 looks on a white background.

Color Contrast Check

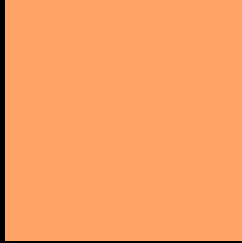
Large Text (above 18pt) WCAG AA × Fail

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 48.4337, 0.4564, 0.3893 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 48.4337, 0.4564, 0.3893

Background



This preview shows how black text looks on a background with the Yxy color 48.4337, 0.4564, 0.3893.



This preview shows how white text looks on a background with the Yxy color 48.4337, 0.4564, 0.3893.

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

48.4337, 0.4564, 0.3893

Protanopia

48.5421, 0.3885, 0.4205

Deuteranopia

48.6953, 0.4240, 0.4154



Tritanopia

48.5409, 0.3975, 0.3187

Trichromacy



Original Color

48.4337, 0.4564, 0.3893

Protanomaly

48.0566, 0.4132, 0.4089

Deuteranomaly

48.4492, 0.4357, 0.4058

Tritanomaly

48.4152, 0.4207, 0.3461

Monochromacy



Original Color

48.4337, 0.4564, 0.3893

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.1189, 0.3618, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4337, 0.4564, 0.3893 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 103) }
```

Border

The CSS property to change the border of an element to Yxy 48.4337, 0.4564, 0.3893 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, 103) }
```

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

```
.border{ border-color:rgb(255, 163, 103) }
```

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, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4337, 0.4564, 0.3893 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, 103) }
```

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

```
.background{ background-color: rgb(255,  
163, 103) }
```

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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