

Converting Colors

$Y_{xy}(43.5296, 0.4726, 0.3803)$

Have a look what the booklet for
Yxy(43.5296, 0.4726, 0.3803)
contains.

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Color

Yxy(43.6180, 0.4723, 0.3805)

Conversions

Conversions Part 1

Format	Color
Hex	FF9561
RGB	255, 149, 97
RGB Percent	100%, 58%, 38%
CMY	0.0001, 0.4156, 0.6196
CMYK	0.00, 0.42, 0.62, 0.00
HSL	20°, 100%, 69%
HSV	20°, 62%, 100%
XYZ	54.1413, 43.6180, 16.8740
YIQ	174.7660, 79.8680, 6.3000

Conversions

Conversions Part 2

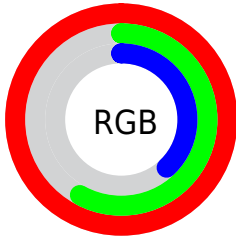
Format	Color
R _Y B	255, 175, 97
Decimal	16749921
CIE Lab	71.97, 35.29, 44.25
CIE LCh	72, 56.595, 51.430
Yxy	43.6180, 0.4723, 0.3805
Android (android.graphics.Color)	4294940001 (0xFFFF9561)
YUV	174.7660, -38.3386, 70.3652
Hunter-Lab	66.0439, 30.7535, 31.0823

Details

The Yxy color **43.6180, 0.4723, 0.3805** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **52.4575, 0.2226, 0.2634**, and the grayscale version is **42.9153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6157, 0.3955, 0.3860**, and **20.1002, 0.5138, 0.3853** is the 20% darker color. If you saturate the color by 10%, you get **38.1975, 0.5084, 0.3836**, and if you desaturate by 10%, it is **49.9905, 0.4375, 0.3743**.

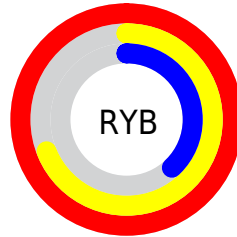
Distribution



Red (100%)

Green (58%)

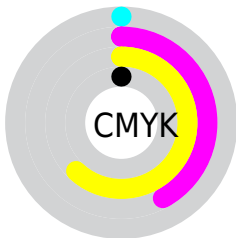
Blue (38%)



Red (100%)

Yellow (69%)

Blue (38%)

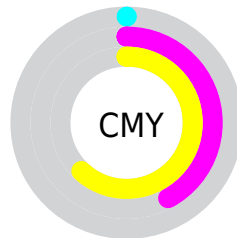


Cyan (0%)

Magenta (42%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6180, 0.4723, 0.3805 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 43.6180, 0.4723, 0.3805 by changing the saturation by 10% instead.


 43.6180, 0.4723,
0.3805


 43.6180, 0.4723,
0.3805


361.1472, 0.3927,
0.3610


 30.3703, 0.4911,
0.3830


 80.6426, 0.4439,
0.3751


 20.1198, 0.5143,
0.3847


 105.1883, 0.4331,
0.3726

 12.4822, 0.5431,
0.3845

 134.2688, 0.4238,
0.3702

 7.0730, 0.5793,
0.3799

 168.2685, 0.4158,
0.3680

 3.5078, 0.6306,
0.3694

207.5718, 0.4089,
0.3660

 1.4022, 0.6725,
0.3275

252.5631, 0.4028,

 0.2184, 0.8331,

0.3642

0.1669

303.6267, 0.3974,
0.3625

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.6180, 0.4723,
0.3805

■ 43.6180, 0.4723,
0.3805

■ 38.1975, 0.5084,
0.3836

■ 49.9905, 0.4375,
0.3743

■ 33.6726, 0.5432,
0.3823


■ 57.3540, 0.4057,
0.3661

■ 29.9901, 0.5730,
0.3760

■ 65.7531, 0.3778,
0.3571

■ 27.5908, 0.5922,
0.3680

■ 75.2275, 0.3537,
0.3479

 85.8147, 0.3331,
0.3390

 97.5506, 0.3158,
0.3306

99.9973, 0.3127,
0.3290

Harmonies

Analogous

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



43.6180, 0.4521, 0.3220



43.6180, 0.4723, 0.3805



43.6180, 0.4436, 0.4369

Triad

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



43.6180, 0.4723, 0.3805



43.6180, 0.2349, 0.3991



43.6180, 0.2333, 0.2093

Complementary

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



43.6180, 0.4723, 0.3805



52.4575, 0.2226, 0.2634

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.



43.6180, 0.1898, 0.2136



43.6180, 0.4723, 0.3805



43.6180, 0.1894, 0.3121

Square

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



43.6180, 0.4723, 0.3805



43.6180, 0.3051, 0.4658



43.6180, 0.1748, 0.2466



43.6180, 0.3034, 0.2292

Rectangle

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



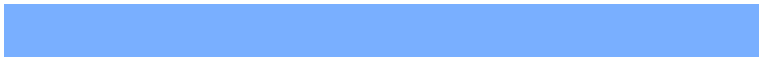
43.6180, 0.4723, 0.3805



43.6180, 0.4047, 0.4659



43.6180, 0.1748, 0.2466



43.6180, 0.2156, 0.2079

Sweetspot

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



43.6203, 0.4723, 0.3805



78.2527, 0.3472, 0.3453



34.2121, 0.3716, 0.2249



16.1250, 0.3534, 0.3478



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.



43.6203, 0.4723, 0.3805



37.2075, 0.5157, 0.3837



76.5248, 0.4165, 0.4515



18.9638, 0.3286, 0.3369



14.6604, 0.5892, 0.3703



1.6176, 0.5672, 0.3878

Inverse Universe

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



52.4575, 0.2226, 0.2634



46.4714, 0.2101, 0.2481



24.6726, 0.1991, 0.1614



19.4143, 0.2980, 0.3210



19.2844, 0.1937, 0.2174



2.0777, 0.1977, 0.2316

Previews

White Background



This preview shows how the Yxy color 43.6180, 0.4723, 0.3805 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 43.6180, 0.4723, 0.3805 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 43.6180, 0.4723, 0.3805

Background



This preview shows how black text looks on a background with the Yxy color 43.6180, 0.4723, 0.3805.



This preview shows how white text looks on a background with the Yxy color 43.6180, 0.4723, 0.3805.

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

43.6180, 0.4723, 0.3805

Protanopia

43.8433, 0.3865, 0.4197

Deuteranopia

43.9180, 0.4258, 0.4176



Tritanopia

43.5396, 0.4178, 0.3188

Trichromacy



Original Color

43.6180, 0.4723, 0.3805

Protanomaly

43.2156, 0.4182, 0.4053

Deuteranomaly

43.6377, 0.4434, 0.4040

Tritanomaly

43.5112, 0.4393, 0.3428

Monochromacy



Original Color

43.6180, 0.4723, 0.3805

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.2164, 0.3667, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6180, 0.4723, 0.3805 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, 149, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 97)  
}
```

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, 149, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 97) }
```

Border

The CSS property to change the border of an element to Yxy 43.6180, 0.4723, 0.3805 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, 149, 97) }
```

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

```
.border{ border-color:rgb(255, 149, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 149, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6180, 0.4723, 0.3805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 97) }
```

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

```
.background{ background-color: rgb(255,  
149, 97) }
```

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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