

Converting Colors

$Y_{xy}(49.0801, 0.5023, 0.3812)$

Have a look what the booklet for
Yxy(49.0801, 0.5023, 0.3812)
contains.

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Color

Yxy(43.4430, 0.4807, 0.3888)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | FF9557 |
| RGB | 255, 149, 87 |
| RGB Percent | 100%, 58%, 34% |
| CMY | 0.0000, 0.4157, 0.6586 |
| CMYK | 0.00, 0.42, 0.66, 0.00 |
| HSL | 22°, 100%, 67% |
| HSV | 22°, 66%, 100% |
| XYZ | 53.7115, 43.4430, 14.5816 |
| YIQ | 173.6260, 83.0780, 3.1900 |

Conversions

Conversions Part 2

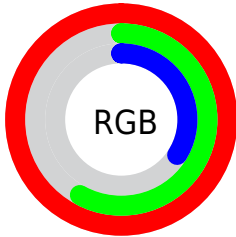
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 255, 185, 87 |
| Decimal | 16749911 |
| CIELab | 71.85, 34.69, 49.15 |
| CIELCh | 72, 60.161, 54.783 |
| Yxy | 43.4430, 0.4807, 0.3888 |
| Android (android.graphics.Color) | 4294939991 (0xFFFF9557) |
| YUV | 173.6260, -42.7066, 71.3650 |
| Hunter-Lab | 65.9113, 30.1160, 33.0212 |

Details

The Yxy color **43.4430, 0.4807, 0.3888** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **47.4107, 0.2161, 0.2494**, and the grayscale version is **42.3189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3098, 0.4030, 0.3959**, and **20.0204, 0.5233, 0.3938** is the 20% darker color. If you saturate the color by 10%, you get **38.3522, 0.5147, 0.3911**, and if you desaturate by 10%, it is **49.3864, 0.4469, 0.3827**.

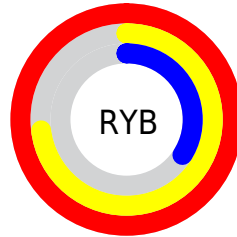
Distribution



Red (100%)

Green (58%)

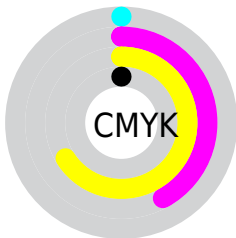
Blue (34%)



Red (100%)

Yellow (73%)

Blue (34%)

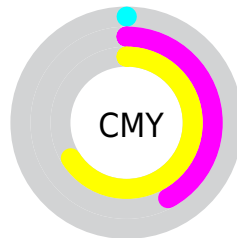


Cyan (0%)

Magenta (42%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.4430, 0.4807, 0.3888 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 43.4430, 0.4807, 0.3888 by changing the saturation by 10% instead.


 43.4430, 0.4807,
0.3888


 43.4430, 0.4807,
0.3888


360.4304, 0.3976,
0.3663


 30.2329, 0.4999,
0.3915


 80.3789, 0.4514,
0.3827

 20.0154, 0.5232,
0.3933


 104.8735, 0.4401,
0.3798

 12.4062, 0.5516,
0.3926


 133.8984, 0.4304,
0.3770

 7.0210, 0.5890,
0.3887

 167.8379, 0.4220,
0.3745

 3.4752, 0.6289,
0.3711

 207.0764, 0.4147,
0.3722

 1.3846, 0.6706,
0.3294

251.9985, 0.4083,

 0.2053, 0.8375,

0.3700

0.1625

302.9883, 0.4026,
0.3681

■ 0.0000, 0.0000,
0.0000

■ 43.4430, 0.4807,
0.3888

■ 43.4430, 0.4807,
0.3888

■ 38.3522, 0.5147,
0.3911

■ 49.3864, 0.4469,
0.3827

■ 34.0665, 0.5462,
0.3885

■ 56.2208, 0.4153,
0.3742


■ 30.5358, 0.5724,
0.3806

■ 63.9849, 0.3869,
0.3644

■ 29.2760, 0.5817,
0.3763

■ 72.7143, 0.3620,
0.3541

■ 82.4425, 0.3405,
0.3440

 93.2011, 0.3222,
0.3344

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.



43.4430, 0.4662, 0.3274



43.4430, 0.4807, 0.3888



43.4430, 0.4444, 0.4479

Triad

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



43.4430, 0.4807, 0.3888



43.4430, 0.2230, 0.3934



43.4430, 0.2356, 0.2043

Complementary

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



43.4430, 0.4807, 0.3888



47.4107, 0.2161, 0.2494

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.



43.4430, 0.1869, 0.2054



43.4430, 0.4807, 0.3888



43.4430, 0.1792, 0.3009

Square

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



43.4430, 0.4807, 0.3888



43.4430, 0.2947, 0.4705



43.4430, 0.1679, 0.2357



43.4430, 0.3121, 0.2277

Rectangle

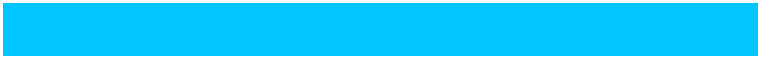
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.4430, 0.4807, 0.3888



43.4430, 0.4009, 0.4776



43.4430, 0.1679, 0.2357



43.4430, 0.2160, 0.2017

Sweetspot

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



43.4438, 0.4807, 0.3888



78.2945, 0.3490, 0.3482



31.9534, 0.3873, 0.2278



16.1764, 0.3551, 0.3510



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.



43.4438, 0.4807, 0.3888



36.9232, 0.5250, 0.3909



80.0043, 0.4169, 0.4633



19.0843, 0.3285, 0.3378



15.5576, 0.5787, 0.3787



1.7151, 0.5572, 0.3958

Inverse Universe

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



47.4107, 0.2161, 0.2494



40.9150, 0.2028, 0.2305



20.2808, 0.1899, 0.1400



19.2889, 0.2979, 0.3200



17.3759, 0.1898, 0.2031



1.9008, 0.1942, 0.2191

Previews

White Background



This preview shows how the Yxy color 43.4430, 0.4807, 0.3888 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 43.4430, 0.4807, 0.3888 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 43.4430, 0.4807, 0.3888

Background



This preview shows how black text looks on a background with the Yxy color 43.4430, 0.4807, 0.3888.



This preview shows how white text looks on a background with the Yxy color 43.4430, 0.4807, 0.3888.

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

43.4430, 0.4807, 0.3888

Protanopia

43.7581, 0.3959, 0.4322

Deuteranopia

43.5352, 0.4350, 0.4258



Tritanopia

43.5064, 0.4188, 0.3199

Trichromacy



Original Color

43.4430, 0.4807, 0.3888



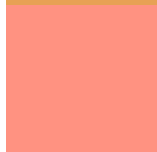
Protanomaly

43.0267, 0.4263, 0.4158



Deuteranomaly

43.1188, 0.4520, 0.4121



Tritanomaly

43.4027, 0.4435, 0.3469

Monochromacy



Original Color

43.4430, 0.4807, 0.3888



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

41.5598, 0.3708, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4430, 0.4807, 0.3888 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 87) }
```

Border

The CSS property to change the border of an element to Yxy 43.4430, 0.4807, 0.3888 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, 87) }
```

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

```
.border{ border-color:rgb(255, 149, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4430, 0.4807, 0.3888 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, 87) }
```

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

```
.background{ background-color: rgb(255,  
149, 87) }
```

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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