

Converting Colors

$Y_{xy}(57.7937, 0.4798, 0.3749)$

Have a look what the booklet for
Yxy(57.7937, 0.4798, 0.3749)
contains.

Yxy(49.3180, 0.4483, 0.3841)	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(49.3180, 0.4483, 0.3841)

Conversions

Conversions Part 1

Format	Color
Hex	FFA56F
RGB	255, 165, 111
RGB Percent	100%, 65%, 44%
CMY	0.0000, 0.3529, 0.5648
CMYK	0.00, 0.35, 0.56, 0.00
HSL	23°, 100%, 72%
HSV	23°, 56%, 100%
XYZ	57.5612, 49.3180, 21.5196
YIQ	185.7540, 70.9740, 2.2860

Conversions

Conversions Part 2

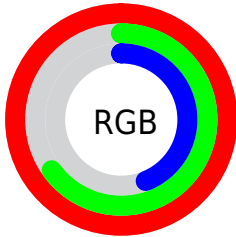
Format	Color
R _Y B	255, 197, 111
Decimal	16754031
CIE Lab	75.65, 27.99, 41.52
CIE LCh	76, 50.069, 56.014
Yxy	49.3180, 0.4483, 0.3841
Android (android.graphics.Color)	4294944111 (0xFFFFA56F)
YUV	185.7540, -36.8537, 60.7287
Hunter-Lab	70.2268, 23.4102, 30.9905

Details

The Yxy color **49.3180, 0.4483, 0.3841** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **52.3539, 0.2272, 0.2616**, and the grayscale version is **49.1393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1267, 0.3782, 0.3864**, and **23.6274, 0.4818, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **43.4422, 0.4819, 0.3901**, and if you desaturate by 10%, it is **56.0751, 0.4167, 0.3755**.

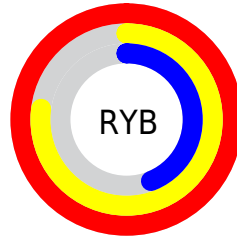
Distribution



Red (100%)

Green (65%)

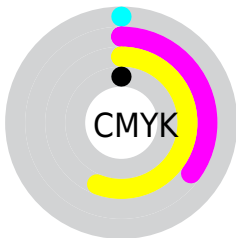
Blue (44%)



Red (100%)

Yellow (77%)

Blue (44%)

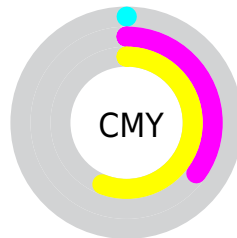


Cyan (0%)

Magenta (35%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3180, 0.4483, 0.3841 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 49.3180, 0.4483, 0.3841 by changing the saturation by 10% instead.


 49.3180, 0.4483,
0.3841

 49.3180, 0.4483,
0.3841


383.9929, 0.3817,
0.3614


 34.8718, 0.4639,
0.3880


 89.1636, 0.4247,
0.3771


 23.5641, 0.4832,
0.3919


 115.3317, 0.4157,
0.3741

 15.0106, 0.5073,
0.3953


 146.1760, 0.4079,
0.3715

 8.8268, 0.5377,
0.3966

 182.0808, 0.4012,
0.3690

 4.6284, 0.5851,
0.3986

223.4305, 0.3954,
0.3668

 2.0309, 0.6246,
0.3754

270.6095, 0.3903,

 0.6253, 0.6846,

0.3649

324.0021, 0.3857,
0.3631

0.3154

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.3180, 0.4483,
0.3841

49.3180, 0.4483,
0.3841

43.4422, 0.4819,
0.3901

56.0751, 0.4167,
0.3755

38.4000, 0.5155,
0.3923

63.7432, 0.3883,
0.3656

34.1495, 0.5465,
0.3895

72.3597, 0.3633,
0.3552

30.6404, 0.5720,
0.3813

81.9575, 0.3417,
0.3449

■ 29.5633, 0.5799,
0.3777

■ 92.5676, 0.3232,
0.3350

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



49.3180, 0.4366, 0.3324



49.3180, 0.4483, 0.3841



49.3180, 0.4199, 0.4303

Triad

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



49.3180, 0.4483, 0.3841



49.3180, 0.2389, 0.3771



49.3180, 0.2525, 0.2259

Complementary

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



49.3180, 0.4483, 0.3841



52.3539, 0.2272, 0.2616

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.



49.3180, 0.2100, 0.2269



49.3180, 0.4483, 0.3841



49.3180, 0.2022, 0.3058

Square

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



49.3180, 0.4483, 0.3841



49.3180, 0.2977, 0.4371



49.3180, 0.1928, 0.2529



49.3180, 0.3160, 0.2464

Rectangle

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



49.3180, 0.4483, 0.3841



49.3180, 0.3847, 0.4504



49.3180, 0.1928, 0.2529



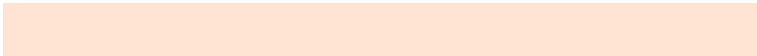
49.3180, 0.2357, 0.2237

Sweetspot

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



49.3205, 0.4483, 0.3841



81.4353, 0.3427, 0.3454



36.8970, 0.3726, 0.2387



17.0028, 0.3468, 0.3475



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.



49.3205, 0.4483, 0.3841



42.6237, 0.4870, 0.3907



82.2755, 0.4039, 0.4488



19.1036, 0.3285, 0.3380



15.7117, 0.5770, 0.3801



1.7315, 0.5556, 0.3970

Inverse Universe

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



52.3539, 0.2272, 0.2616



45.7986, 0.2133, 0.2449



26.6127, 0.2074, 0.1692



19.2690, 0.2979, 0.3199



17.0849, 0.1891, 0.2009



1.8736, 0.1936, 0.2171

Previews

White Background



This preview shows how the Yxy color 49.3180, 0.4483, 0.3841 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 49.3180, 0.4483, 0.3841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

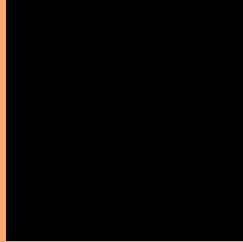
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3180, 0.4483, 0.3841

Background



This preview shows how black text looks on a background with the Yxy color 49.3180, 0.4483, 0.3841.



This preview shows how white text looks on a background with the Yxy color 49.3180, 0.4483, 0.3841.

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

49.3180, 0.4483, 0.3841

Protanopia

49.5691, 0.3814, 0.4134

Deuteranopia

49.2544, 0.4171, 0.4084



Tritanopia

49.3419, 0.3937, 0.3177

Trichromacy



Original Color

49.3180, 0.4483, 0.3841

Protanomaly

49.0307, 0.4055, 0.4025

Deuteranomaly

48.9958, 0.4287, 0.3991

Tritanomaly

49.2706, 0.4148, 0.3430

Monochromacy



Original Color

49.3180, 0.4483, 0.3841

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.1929, 0.3586, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3180, 0.4483, 0.3841 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, 165, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 111)  
}
```

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, 165, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 111) }
```

Border

The CSS property to change the border of an element to Yxy 49.3180, 0.4483, 0.3841 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, 165, 111) }
```

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

```
.border{ border-color:rgb(255, 165, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 165, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3180, 0.4483, 0.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 111) }
```

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

```
.background{ background-color: rgb(255,  
165, 111) }
```

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