

Converting Colors

$Y_{xy}(49.7721, 0.4551, 0.3873)$

Have a look what the booklet for
Yxy(49.7721, 0.4551, 0.3873)
contains.

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Color

Yxy(49.2109, 0.4525, 0.3886)

Conversions

Conversions Part 1

Format	Color
Hex	FFA56A
RGB	255, 165, 106
RGB Percent	100%, 65%, 42%
CMY	0.0000, 0.3530, 0.5842
CMYK	0.00, 0.35, 0.58, 0.00
HSL	24°, 100%, 71%
HSV	24°, 58%, 100%
XYZ	57.3030, 49.2109, 20.1225
YIQ	185.1840, 72.5790, 0.7310

Conversions

Conversions Part 2

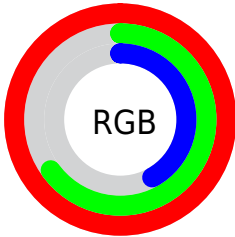
Format	Color
RYB	255, 204, 106
Decimal	16754026
CIELab	75.58, 27.64, 43.98
CIELCh	76, 51.944, 57.851
Yxy	49.2109, 0.4525, 0.3886
Android (android.graphics.Color)	4294944106 (0xFFFFA56A)
YUV	185.1840, -39.0377, 61.2286
Hunter-Lab	70.1505, 23.0458, 32.0981

Details

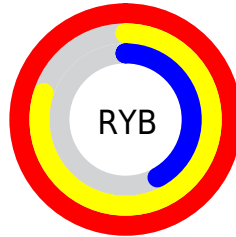
The Yxy color **49.2109, 0.4525, 0.3886** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.7827, 0.2238, 0.2547**, and the grayscale version is **48.8145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9150, 0.3825, 0.3925**, and **23.5750, 0.4867, 0.3971** is the 20% darker color. If you saturate the color by 10%, you get **43.5288, 0.4853, 0.3945**, and if you desaturate by 10%, it is **55.7184, 0.4212, 0.3799**.

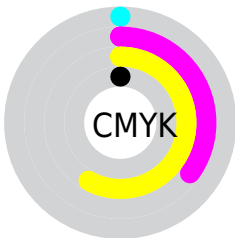
Distribution



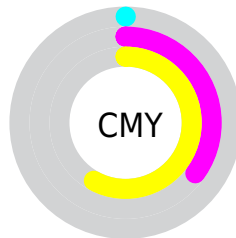
- Red (100%)
- Green (65%)
- Blue (42%)



- Red (100%)
- Yellow (80%)
- Blue (42%)



- Cyan (0%)
- Magenta (35%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (35%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2109, 0.4525, 0.3886 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 49.2109, 0.4525, 0.3886 by changing the saturation by 10% instead.


 49.2109, 0.4525,
0.3886


 49.2109, 0.4525,
0.3886


383.5720, 0.3841,
0.3641


 34.7868, 0.4684,
0.3927


 89.0046, 0.4284,
0.3811


 23.4987, 0.4879,
0.3969


 115.1430, 0.4191,
0.3779

 14.9622, 0.5121,
0.4003


 145.9550, 0.4111,
0.3750

 8.7928, 0.5422,
0.4014

 181.8249, 0.4042,
0.3724

 4.6063, 0.5933,
0.4059

223.1372, 0.3982,
0.3700

 2.0182, 0.6233,
0.3767

270.2762, 0.3929,

 0.6180, 0.6837,

0.3679

0.3163

323.6263, 0.3883,
0.3659

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.2109, 0.4525,
0.3886

49.2109, 0.4525,
0.3886

43.5288, 0.4853,
0.3945

55.7184, 0.4212,
0.3799

38.6367, 0.5176,
0.3961

63.0893, 0.3927,
0.3697

34.4916, 0.5468,
0.3926

71.3554, 0.3674,
0.3587

31.0428, 0.5707,
0.3839

80.5478, 0.3454,
0.3478

■ 30.5542, 0.5742,
0.3823

■ 90.6956, 0.3265,
0.3373

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.



49.2109, 0.4434, 0.3353



49.2109, 0.4525, 0.3886



49.2109, 0.4205, 0.4359

Triad

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



49.2109, 0.4525, 0.3886



49.2109, 0.2331, 0.3743



49.2109, 0.2538, 0.2233

Complementary

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



49.2109, 0.4525, 0.3886



49.7827, 0.2238, 0.2547

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.



49.2109, 0.2085, 0.2227



49.2109, 0.4525, 0.3886



49.2109, 0.1971, 0.3005

Square

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



49.2109, 0.4525, 0.3886



49.2109, 0.2927, 0.4390



49.2109, 0.1892, 0.2475



49.2109, 0.3205, 0.2456

Rectangle

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



49.2109, 0.4525, 0.3886



49.2109, 0.3831, 0.4560



49.2109, 0.1892, 0.2475



49.2109, 0.2360, 0.2205

Sweetspot

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



49.2100, 0.4525, 0.3886



80.9532, 0.3446, 0.3474



35.6472, 0.3785, 0.2385



16.7315, 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.



49.2100, 0.4525, 0.3886



42.7037, 0.4905, 0.3950



83.2296, 0.4053, 0.4540



19.1666, 0.3284, 0.3385



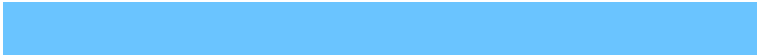
16.2363, 0.5712, 0.3846



1.7869, 0.5503, 0.4012

Inverse Universe

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



49.7827, 0.2238, 0.2547



43.2026, 0.2099, 0.2368



24.5546, 0.2030, 0.1601



19.2040, 0.2979, 0.3194



16.1601, 0.1871, 0.1935



1.7868, 0.1918, 0.2105

Previews

White Background



This preview shows how the Yxy color 49.2109, 0.4525, 0.3886 looks on a white background.

Color Contrast Check

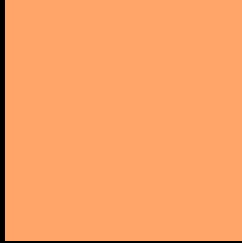
Large Text (above 18pt) WCAG AA × Fail

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 49.2109, 0.4525, 0.3886 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 49.2109, 0.4525, 0.3886

Background



This preview shows how black text looks on a background with the Yxy color 49.2109, 0.4525, 0.3886.



This preview shows how white text looks on a background with the Yxy color 49.2109, 0.4525, 0.3886.

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

49.2109, 0.4525, 0.3886

Protanopia

49.5929, 0.3861, 0.4189

Deuteranopia

49.3140, 0.4219, 0.4131



Tritanopia

49.3039, 0.3947, 0.3187

Trichromacy



Original Color

49.2109, 0.4525, 0.3886

Protanomaly

49.0759, 0.4105, 0.4076

Deuteranomaly

49.0638, 0.4336, 0.4036

Tritanomaly

49.2072, 0.4167, 0.3451

Monochromacy



Original Color

49.2109, 0.4525, 0.3886

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.9427, 0.3603, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2109, 0.4525, 0.3886 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 106) }
```

Border

The CSS property to change the border of an element to Yxy 49.2109, 0.4525, 0.3886 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, 106) }
```

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

```
.border{ border-color:rgb(255, 165, 106) }
```

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, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2109, 0.4525, 0.3886 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, 106) }
```

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

```
.background{ background-color: rgb(255,  
165, 106) }
```

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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