

Converting Colors

$Y_{xy}(100.0000, 0.5574, 0.3575)$

Have a look what the booklet for
Yxy(100.0000, 0.5574, 0.3575)
contains.

Yxy(49.1495, 0.4550, 0.3913)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.1495, 0.4550, 0.3913)

Conversions

Conversions Part 1

Format	Color
Hex	FFA567
RGB	255, 165, 103
RGB Percent	100%, 65%, 40%
CMY	0.0000, 0.3530, 0.5961
CMYK	0.00, 0.35, 0.60, 0.00
HSL	24°, 100%, 70%
HSV	24°, 60%, 100%
XYZ	57.1506, 49.1495, 19.3056
YIQ	184.8420, 73.5420, -0.2020

Conversions

Conversions Part 2

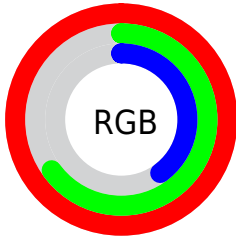
Format	Color
R _Y B	255, 208, 103
Decimal	16754023
CIE Lab	75.54, 27.43, 45.48
CIE LCh	76, 53.109, 58.903
Yxy	49.1495, 0.4550, 0.3913
Android (android.graphics.Color)	4294944103 (0xFFFFA567)
YUV	184.8420, -40.3481, 61.5286
Hunter-Lab	70.1067, 22.8254, 32.7477

Details

The Yxy color **49.1495, 0.4550, 0.3913** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.2457, 0.2217, 0.2505**, and the grayscale version is **48.6178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8130, 0.3846, 0.3955**, and **23.5366, 0.4903, 0.4008** is the 20% darker color. If you saturate the color by 10%, you get **43.5815, 0.4872, 0.3970**, and if you desaturate by 10%, it is **55.5116, 0.4239, 0.3826**.

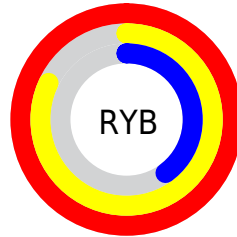
Distribution



Red (100%)

Green (65%)

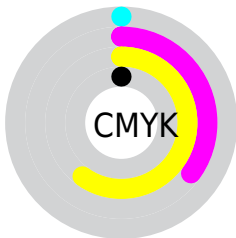
Blue (40%)



Red (100%)

Yellow (82%)

Blue (40%)

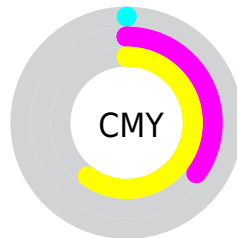


Cyan (0%)

Magenta (35%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (35%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1495, 0.4550, 0.3913 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 49.1495, 0.4550, 0.3913 by changing the saturation by 10% instead.


 49.1495, 0.4550,
0.3913

 49.1495, 0.4550,
0.3913

383.3306, 0.3855,
0.3658

 34.7381, 0.4711,
0.3956


 88.9135, 0.4306,
0.3835


 23.4612, 0.4907,
0.3998


 115.0348, 0.4211,
0.3802

 14.9344, 0.5149,
0.4032


 145.8282, 0.4130,
0.3771

 8.7734, 0.5447,
0.4041

 181.6781, 0.4060,
0.3744

 4.5937, 0.5931,
0.4069

222.9689, 0.3999,
0.3719

 2.0109, 0.6226,
0.3774

270.0850, 0.3945,

 0.6138, 0.6832,

0.3697

0.3168

323.4108, 0.3898,
0.3676

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.1495, 0.4550,
0.3913

49.1495, 0.4550,
0.3913

43.5815, 0.4872,
0.3970

55.5116, 0.4239,
0.3826

38.7783, 0.5187,
0.3984

62.7095, 0.3954,
0.3722

34.6962, 0.5469,
0.3944

70.7723, 0.3700,
0.3610

31.2828, 0.5699,
0.3854

79.7301, 0.3478,
0.3497

■ 31.1613, 0.5707,
0.3850

■ 89.6111, 0.3286,
0.3389

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.



49.1495, 0.4475, 0.3371



49.1495, 0.4550, 0.3913



49.1495, 0.4208, 0.4394

Triad

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



49.1495, 0.4550, 0.3913



49.1495, 0.2295, 0.3726



49.1495, 0.2546, 0.2217

Complementary

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



49.1495, 0.4550, 0.3913



48.2457, 0.2217, 0.2505

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.



49.1495, 0.2076, 0.2202



49.1495, 0.4550, 0.3913



49.1495, 0.1940, 0.2973

Square

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



49.1495, 0.4550, 0.3913



49.1495, 0.2897, 0.4401



49.1495, 0.1871, 0.2443



49.1495, 0.3232, 0.2451

Rectangle

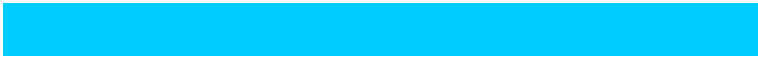
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.1495, 0.4550, 0.3913



49.1495, 0.3821, 0.4595



49.1495, 0.1871, 0.2443



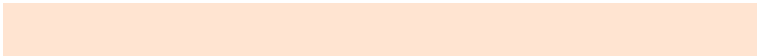
49.1495, 0.2361, 0.2186

Sweetspot

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



49.1469, 0.4550, 0.3913



81.2565, 0.3445, 0.3479



34.8641, 0.3834, 0.2394



16.8050, 0.3505, 0.3512



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.



49.1469, 0.4550, 0.3913



42.3650, 0.4949, 0.3978



84.4416, 0.4055, 0.4579



19.2035, 0.3284, 0.3387



16.5579, 0.5678, 0.3873



1.8204, 0.5472, 0.4037

Inverse Universe

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



48.2457, 0.2217, 0.2505



41.2649, 0.2069, 0.2306



23.1071, 0.2000, 0.1533



19.1661, 0.2979, 0.3191



15.6382, 0.1859, 0.1892



1.7376, 0.1908, 0.2067

Previews

White Background



This preview shows how the Yxy color 49.1495, 0.4550, 0.3913 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 49.1495, 0.4550, 0.3913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

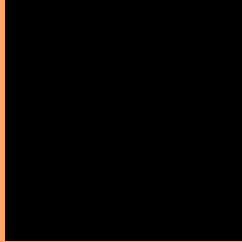
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.1495, 0.4550, 0.3913

Background



This preview shows how black text looks on a background with the Yxy color 49.1495, 0.4550, 0.3913.



This preview shows how white text looks on a background with the Yxy color 49.1495, 0.4550, 0.3913.

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

49.1495, 0.4550, 0.3913

Protanopia

49.5257, 0.3884, 0.4223

Deuteranopia

49.2549, 0.4242, 0.4160



Tritanopia

48.9586, 0.3951, 0.3177

Trichromacy



Original Color

49.1495, 0.4550, 0.3913

Protanomaly

49.0109, 0.4128, 0.4108

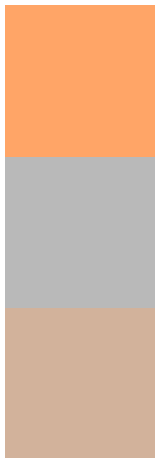
Deuteranomaly

49.0039, 0.4359, 0.4065

Tritanomaly

48.8251, 0.4182, 0.3451

Monochromacy



Original Color

49.1495, 0.4550, 0.3913

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.9090, 0.3612, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1495, 0.4550, 0.3913 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 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, 165, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 103) }
```

Border

The CSS property to change the border of an element to Yxy 49.1495, 0.4550, 0.3913 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, 103) }
```

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

```
.border{ border-color:rgb(255, 165, 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, 165, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1495, 0.4550, 0.3913 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, 103) }
```

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

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