

Converting Colors

$Y_{xy}(49.8679, 0.4442, 0.3818)$

Have a look what the booklet for
Yxy(49.8679, 0.4442, 0.3818)
contains.

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Color

Yxy(49.7702, 0.4442, 0.3813)

Conversions

Conversions Part 1

Format	Color
Hex	FFA673
RGB	255, 166, 115
RGB Percent	100%, 65%, 45%
CMY	0.0000, 0.3491, 0.5489
CMYK	0.00, 0.35, 0.55, 0.00
HSL	22°, 100%, 73%
HSV	22°, 55%, 100%
XYZ	57.9804, 49.7702, 22.7771
YIQ	186.7970, 69.4150, 3.0070

Conversions

Conversions Part 2

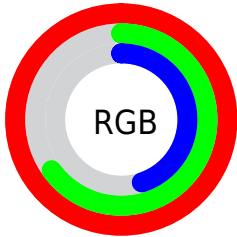
Format	Color
R_{YB}	255, 195, 115
Decimal	16754291
CIE _{Lab}	75.93, 27.81, 39.77
CIE _{LCh}	76, 48.530, 55.038
Yxy	49.7702, 0.4442, 0.3813
Android (android.graphics.Color)	4294944371 (0xFFFFA673)
YUV	186.7970, -35.3959, 59.8140
Hunter-Lab	70.5480, 23.2425, 30.2413

Details

The Yxy color **49.7702, 0.4442, 0.3813** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **54.0688, 0.2297, 0.2659**, and the grayscale version is **49.7444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3297, 0.3747, 0.3843**, and **23.8057, 0.4787, 0.3877** is the 20% darker color. If you saturate the color by 10%, you get **43.7306, 0.4780, 0.3876**, and if you desaturate by 10%, it is **56.7087, 0.4127, 0.3727**.

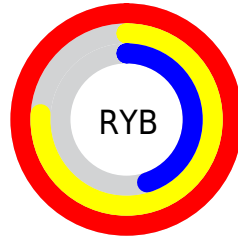
Distribution



Red (100%)

Green (65%)

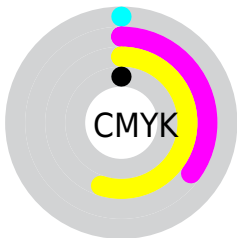
Blue (45%)



Red (100%)

Yellow (76%)

Blue (45%)

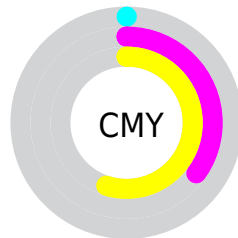


Cyan (0%)

Magenta (35%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (35%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7702, 0.4442, 0.3813 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 49.7702, 0.4442, 0.3813 by changing the saturation by 10% instead.


 49.7702, 0.4442,
0.3813

 49.7702, 0.4442,
0.3813


385.7666, 0.3796,
0.3597

 35.2308, 0.4595,
0.3851


 89.8343, 0.4213,
0.3746

 23.8407, 0.4783,
0.3889


 116.1278, 0.4125,
0.3718

 15.2155, 0.5021,
0.3924


 147.1082, 0.4050,
0.3692

 8.9708, 0.5322,
0.3941

183.1598, 0.3985,
0.3669

 4.7221, 0.5764,
0.3948

224.6671, 0.3928,
0.3648

 2.0852, 0.6228,
0.3772

272.0144, 0.3879,

 0.6563, 0.6796,

0.3629

0.3204

325.5861, 0.3835,
0.3612

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.7702, 0.4442,
0.3813

49.7702, 0.4442,
0.3813

43.7306, 0.4780,
0.3876

56.7087, 0.4127,
0.3727

38.5587, 0.5124,
0.3902

64.5945, 0.3844,
0.3630

34.2059, 0.5445,
0.3880

73.4601, 0.3598,
0.3528

30.6212, 0.5714,
0.3805

83.3394, 0.3386,
0.3429

■ 29.0615, 0.5830,
0.3753

■ 94.2645, 0.3205,
0.3334

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.



49.7702, 0.4314, 0.3310



49.7702, 0.4442, 0.3813



49.7702, 0.4181, 0.4262

Triad

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



49.7702, 0.4442, 0.3813



49.7702, 0.2429, 0.3777



49.7702, 0.2528, 0.2285

Complementary

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



49.7702, 0.4442, 0.3813



54.0688, 0.2297, 0.2659

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.



49.7702, 0.2121, 0.2304



49.7702, 0.4442, 0.3813



49.7702, 0.2063, 0.3089

Square

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



49.7702, 0.4442, 0.3813



49.7702, 0.3006, 0.4343



49.7702, 0.1961, 0.2567



49.7702, 0.3139, 0.2478

Rectangle

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



49.7702, 0.4442, 0.3813



49.7702, 0.3846, 0.4458



49.7702, 0.1961, 0.2567



49.7702, 0.2366, 0.2266

Sweetspot

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



49.7668, 0.4442, 0.3813



82.1944, 0.3408, 0.3440



37.9836, 0.3677, 0.2387



17.1447, 0.3450, 0.3460



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.



49.7668, 0.4442, 0.3813



43.1160, 0.4818, 0.3881



81.3460, 0.4027, 0.4442



19.0698, 0.3285, 0.3377



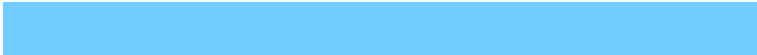
15.4434, 0.5800, 0.3777



1.7028, 0.5584, 0.3948

Inverse Universe

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



54.0688, 0.2297, 0.2659



47.6919, 0.2162, 0.2503



28.4805, 0.2111, 0.1772



19.3039, 0.2980, 0.3201



17.5976, 0.1902, 0.2048



1.9215, 0.1946, 0.2206

Previews

White Background



This preview shows how the Yxy color 49.7702, 0.4442, 0.3813 looks on a white background.

Color Contrast Check

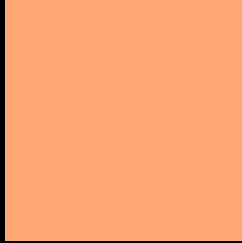
Large Text (above 18pt) WCAG AA × Fail

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 49.7702, 0.4442, 0.3813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

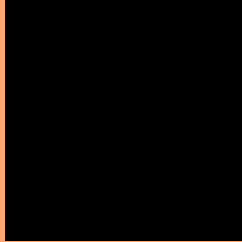
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7702, 0.4442, 0.3813

Background



This preview shows how black text looks on a background with the Yxy color 49.7702, 0.4442, 0.3813.



This preview shows how white text looks on a background with the Yxy color 49.7702, 0.4442, 0.3813.

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

49.7702, 0.4442, 0.3813

Protanopia

50.2339, 0.3787, 0.4095

Deuteranopia

49.9040, 0.4142, 0.4050



Tritanopia

49.7283, 0.3924, 0.3177

Trichromacy



Original Color

49.7702, 0.4442, 0.3813

Protanomaly

49.6866, 0.4026, 0.3989

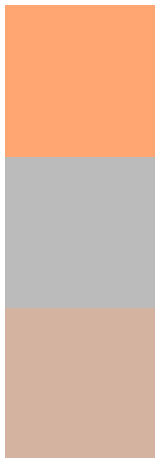
Deuteranomaly

49.6415, 0.4256, 0.3958

Tritanomaly

49.6888, 0.4123, 0.3419

Monochromacy



Original Color

49.7702, 0.4442, 0.3813

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.8105, 0.3575, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7702, 0.4442, 0.3813 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, 166, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 115)  
}
```

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, 166, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 115) }
```

Border

The CSS property to change the border of an element to Yxy 49.7702, 0.4442, 0.3813 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, 166, 115) }
```

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

```
.border{ border-color:rgb(255, 166, 115) }
```

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

Here you see how a box with a 4 pixel rgb(255, 166, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7702, 0.4442, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 115) }
```

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

```
.background{ background-color: rgb(255,  
166, 115) }
```

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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