

Converting Colors

$Y_{xy}(49.5563, 0.4545, 0.3929)$

Have a look what the booklet for
Yxy(49.5563, 0.4545, 0.3929)
contains.

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Color

Yxy(49.5117, 0.4542, 0.3923)

Conversions

Conversions Part 1

Format	Color
Hex	FFA667
RGB	255, 166, 103
RGB Percent	100%, 65%, 40%
CMY	0.0000, 0.3490, 0.5960
CMYK	0.00, 0.35, 0.60, 0.00
HSL	25°, 100%, 70%
HSV	25°, 60%, 100%
XYZ	57.3240, 49.5117, 19.3730
YIQ	185.4290, 73.2670, -0.7250

Conversions

Conversions Part 2

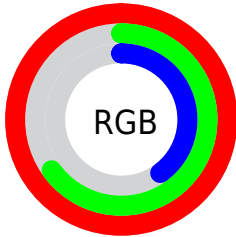
Format	Color
RYB	255, 211, 103
Decimal	16754279
CIELab	75.77, 26.89, 45.73
CIELCh	76, 53.053, 59.545
Yxy	49.5117, 0.4542, 0.3923
Android (android.graphics.Color)	4294944359 (0xFFFFA667)
YUV	185.4290, -40.6375, 61.0138
Hunter-Lab	70.3646, 22.2810, 32.9312

Details

The Yxy color **49.5117, 0.4542, 0.3923** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.8084, 0.2215, 0.2491**, and the grayscale version is **48.9702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3395, 0.3842, 0.3964**, and **23.7610, 0.4891, 0.4020** is the 20% darker color. If you saturate the color by 10%, you get **43.9603, 0.4861, 0.3982**, and if you desaturate by 10%, it is **55.8545, 0.4234, 0.3834**.

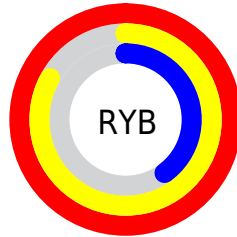
Distribution



Red (100%)

Green (65%)

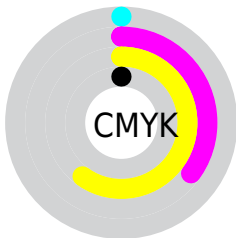
Blue (40%)



Red (100%)

Yellow (83%)

Blue (40%)

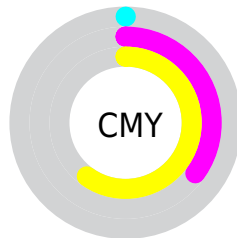


Cyan (0%)

Magenta (35%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5117, 0.4542, 0.3923 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 49.5117, 0.4542, 0.3923 by changing the saturation by 10% instead.


 49.5117, 0.4542,
0.3923

 49.5117, 0.4542,
0.3923


384.7533, 0.3852,
0.3663


 35.0256, 0.4701,
0.3967


 89.4510, 0.4300,
0.3844

 23.6826, 0.4895,
0.4011

 115.6729, 0.4206,
0.3809

 15.0983, 0.5134,
0.4047


 146.5755, 0.4126,
0.3778

 8.8884, 0.5428,
0.4059


 182.5433, 0.4056,
0.3750

 4.6685, 0.5907,
0.4093

223.9605, 0.3995,
0.3725

 2.0541, 0.6194,
0.3806

271.2117, 0.3942,

 0.6386, 0.6769,

0.3702

0.3231

324.6812, 0.3895,
0.3682

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.5117, 0.4542,
0.3923

49.5117, 0.4542,
0.3923

43.9603, 0.4861,
0.3982

55.8545, 0.4234,
0.3834

39.1566, 0.5173,
0.3996

63.0144, 0.3951,
0.3728

35.0630, 0.5452,
0.3958

71.0250, 0.3698,
0.3614

31.6279, 0.5680,
0.3869

79.9155, 0.3477,
0.3500

31.5019, 0.5688,
0.3865

89.7135, 0.3286,
0.3390

99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



49.5117, 0.4476, 0.3382



49.5117, 0.4542, 0.3923



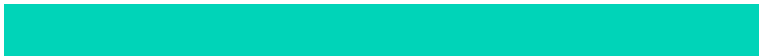
49.5117, 0.4194, 0.4399

Triad

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



49.5117, 0.4542, 0.3923



49.5117, 0.2288, 0.3708



49.5117, 0.2560, 0.2223

Complementary

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



49.5117, 0.4542, 0.3923



47.8084, 0.2215, 0.2491

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.



49.5117, 0.2087, 0.2203



49.5117, 0.4542, 0.3923



49.5117, 0.1939, 0.2960

Square

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



49.5117, 0.4542, 0.3923



49.5117, 0.2883, 0.4386



49.5117, 0.1876, 0.2438



49.5117, 0.3248, 0.2461

Rectangle

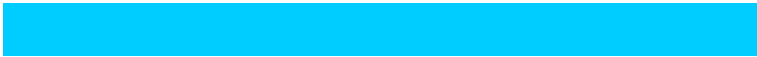
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.5117, 0.4542, 0.3923



49.5117, 0.3805, 0.4594



49.5117, 0.1876, 0.2438



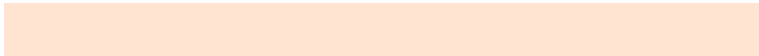
49.5117, 0.2375, 0.2190

Sweetspot

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



49.5142, 0.4542, 0.3923



81.4231, 0.3444, 0.3482



34.8685, 0.3834, 0.2394



16.8453, 0.3504, 0.3515



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.



49.5142, 0.4542, 0.3923



42.7413, 0.4938, 0.3990



84.4399, 0.4055, 0.4579



19.2238, 0.3284, 0.3389



16.7389, 0.5659, 0.3888



1.8392, 0.5455, 0.4051

Inverse Universe

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



47.8084, 0.2215, 0.2491



40.7776, 0.2065, 0.2290



23.1135, 0.2000, 0.1533



19.1454, 0.2979, 0.3189



15.3579, 0.1853, 0.1869



1.7110, 0.1902, 0.2046

Previews

White Background



This preview shows how the Yxy color 49.5117, 0.4542, 0.3923 looks on a white background.

Color Contrast Check

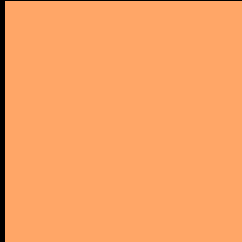
Large Text (above 18pt) WCAG AA × Fail

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 49.5117, 0.4542, 0.3923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

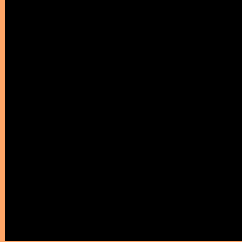
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5117, 0.4542, 0.3923

Background



This preview shows how black text looks on a background with the Yxy color 49.5117, 0.4542, 0.3923.



This preview shows how white text looks on a background with the Yxy color 49.5117, 0.4542, 0.3923.

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

49.5117, 0.4542, 0.3923

Protanopia

49.6675, 0.3893, 0.4220

Deuteranopia

49.4189, 0.4251, 0.4157



Tritanopia

49.3419, 0.3937, 0.3177

Trichromacy



Original Color

49.5117, 0.4542, 0.3923

Protanomaly

49.0109, 0.4128, 0.4108

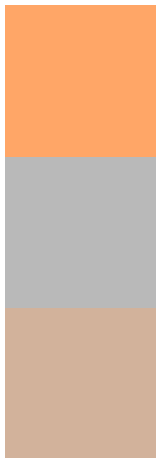
Deuteranomaly

49.3888, 0.4352, 0.4075

Tritanomaly

49.1760, 0.4177, 0.3461

Monochromacy



Original Color

49.5117, 0.4542, 0.3923

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 49.5117, 0.4542, 0.3923 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 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, 166, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 103) }
```

Border

The CSS property to change the border of an element to Yxy 49.5117, 0.4542, 0.3923 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, 103) }
```

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

```
.border{ border-color:rgb(255, 166, 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, 166, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5117, 0.4542, 0.3923 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, 103) }
```

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

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