

Converting Colors

$Y_{xy}(49.5439, 0.4474, 0.3914)$

Have a look what the booklet for
Yxy(49.5439, 0.4474, 0.3914)
contains.

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Color

Yxy(49.7622, 0.4470, 0.3916)

Conversions

Conversions Part 1

Format	Color
Hex	FCA86B
RGB	252, 168, 107
RGB Percent	99%, 66%, 42%
CMY	0.0117, 0.3412, 0.5805
CMYK	0.00, 0.33, 0.58, 0.01
HSL	25°, 96%, 70%
HSV	25°, 58%, 99%
XYZ	56.8021, 49.7622, 20.5098
YIQ	186.1620, 69.6450, -1.1630

Conversions

Conversions Part 2

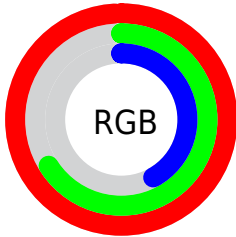
Format	Color
R_{YB}	252, 212, 107
Decimal	16558187
CIE _{Lab}	75.92, 24.94, 43.84
CIE _{LCh}	76, 50.437, 60.367
Yxy	49.7622, 0.4470, 0.3916
Android (android.graphics.Color)	4294748267 (0xFFFC86B)
YUV	186.1620, -39.0269, 57.7399
Hunter-Lab	70.5423, 20.2827, 32.1414

Details

The Yxy color **49.7622, 0.4470, 0.3916** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.3985, 0.2239, 0.2512**, and the grayscale version is **49.3918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5734, 0.3800, 0.3933**, and **23.9927, 0.4811, 0.4019** is the 20% darker color. If you saturate the color by 10%, you get **44.2194, 0.4785, 0.3983**, and if you desaturate by 10%, it is **56.0694, 0.4169, 0.3821**.

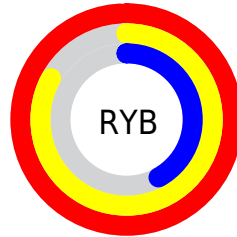
Distribution



Red (99%)

Green (66%)

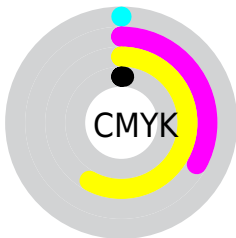
Blue (42%)



Red (99%)

Yellow (83%)

Blue (42%)

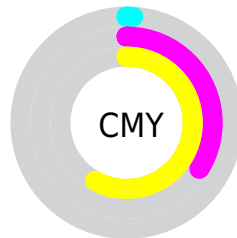


Cyan (0%)

Magenta (33%)

Yellow (58%)

Black (1%)



Cyan (1%)


Magenta (34%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7622, 0.4470, 0.3916 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 49.7622, 0.4470, 0.3916 by changing the saturation by 10% instead.


 49.7622, 0.4470,
0.3916


 49.7622, 0.4470,
0.3916


385.7353, 0.3814,
0.3653


 35.2245, 0.4622,
0.3963


 89.8224, 0.4239,
0.3834


 23.8359, 0.4809,
0.4011


 116.1138, 0.4150,
0.3799

 15.2119, 0.5040,
0.4056


 147.0917, 0.4074,
0.3768

 8.9682, 0.5327,
0.4082

 183.1408, 0.4008,
0.3740

 4.7205, 0.5804,
0.4143

224.6452, 0.3950,
0.3715

 2.0842, 0.6104,
0.3896

271.9895, 0.3899,

 0.6557, 0.6639,

0.3692

0.3361

325.5581, 0.3854,
0.3672

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.7622, 0.4470,
0.3916

49.7622, 0.4470,
0.3916

44.2194, 0.4785,
0.3983

56.0694, 0.4169,
0.3821

39.3996, 0.5097,
0.4010

63.1647, 0.3894,
0.3711

35.2683, 0.5381,
0.3984

71.0796, 0.3649,
0.3595

31.7815, 0.5616,
0.3904

79.8416, 0.3435,
0.3480

■ 31.0172, 0.5669,
0.3881

■ 89.4768, 0.3250,
0.3369

■ 99.4371, 0.3109,
0.3290

Harmonies

Analogous

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



49.7622, 0.4415, 0.3398



49.7622, 0.4470, 0.3916



49.7622, 0.4135, 0.4361

Triad

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



49.7622, 0.4470, 0.3916



49.7622, 0.2316, 0.3667



49.7622, 0.2604, 0.2272

Complementary

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



49.7622, 0.4470, 0.3916



47.3985, 0.2239, 0.2512

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.



49.7622, 0.2143, 0.2249



49.7622, 0.4470, 0.3916



49.7622, 0.1987, 0.2964

Square

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



49.7622, 0.4470, 0.3916



49.7622, 0.2882, 0.4310



49.7622, 0.1932, 0.2471



49.7622, 0.3264, 0.2506

Rectangle

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



49.7622, 0.4470, 0.3916



49.7622, 0.3761, 0.4534



49.7622, 0.1932, 0.2471



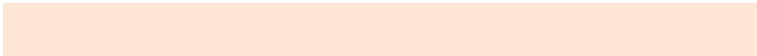
49.7622, 0.2424, 0.2239

Sweetspot

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



49.7647, 0.4470, 0.3916



82.5304, 0.3424, 0.3474



34.9911, 0.3828, 0.2441



17.2603, 0.3464, 0.3497



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.



49.7647, 0.4470, 0.3916



44.6401, 0.4832, 0.3990



84.0317, 0.4014, 0.4562



18.4257, 0.3283, 0.3390



16.4325, 0.5640, 0.3904



1.7265, 0.5427, 0.4073

Inverse Universe

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



47.3985, 0.2239, 0.2512



41.9122, 0.2095, 0.2323



23.3572, 0.2034, 0.1572



18.3129, 0.2980, 0.3188



14.6593, 0.1847, 0.1848



1.5674, 0.1899, 0.2036

Previews

White Background



This preview shows how the Yxy color 49.7622, 0.4470, 0.3916 looks on a white background.

Color Contrast Check

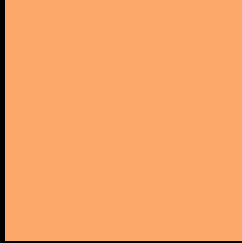
Large Text (above 18pt) WCAG AA × Fail

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 49.7622, 0.4470, 0.3916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

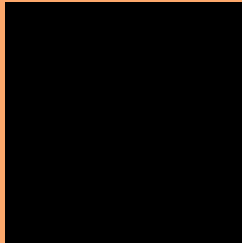
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7622, 0.4470, 0.3916

Background



This preview shows how black text looks on a background with the Yxy color 49.7622, 0.4470, 0.3916.



This preview shows how white text looks on a background with the Yxy color 49.7622, 0.4470, 0.3916.

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

49.7622, 0.4470, 0.3916

Protanopia

50.1605, 0.3865, 0.4197

Deuteranopia

49.9181, 0.4206, 0.4118



Tritanopia

49.7669, 0.3914, 0.3166

Trichromacy



Original Color

49.7622, 0.4470, 0.3916

Protanomaly

49.7250, 0.4083, 0.4100

Deuteranomaly

49.7051, 0.4297, 0.4041

Tritanomaly

49.7917, 0.4129, 0.3451

Monochromacy



Original Color

49.7622, 0.4470, 0.3916

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.3762, 0.3592, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7622, 0.4470, 0.3916 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(252, 168, 107)` looks like.

```
.text, #text, p{  
    color:rgb(252, 168, 107)  
}
```

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(252, 168, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 168, 107) }
```

Border

The CSS property to change the border of an element to Yxy 49.7622, 0.4470, 0.3916 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(252, 168, 107) }
```

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

```
.border{ border-color:rgb(252, 168, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 168, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 168, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 168, 107);  
box-shadow:4px 4px 4px 4px rgb(252, 168,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7622, 0.4470, 0.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 168, 107) }
```

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

```
.background{ background-color: rgb(252,  
168, 107) }
```

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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