

Converting Colors

$Y_{xy}(45.4084, 0.4605, 0.3775)$

Have a look what the booklet for
Yxy(45.4084, 0.4605, 0.3775)
contains.

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Color

Yxy(45.4118, 0.4605, 0.3775)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A6A
RGB	255, 154, 106
RGB Percent	100%, 60%, 42%
CMY	0.0000, 0.3960, 0.5842
CMYK	0.00, 0.40, 0.58, 0.00
HSL	19°, 100%, 71%
HSV	19°, 58%, 100%
XYZ	55.3964, 45.4118, 19.4880
YIQ	178.7270, 75.6040, 6.4840

Conversions

Conversions Part 2

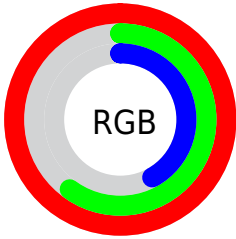
Format	Color
R _Y B	255, 177, 106
Decimal	16751210
CIE Lab	73.16, 33.34, 41.02
CIE LCh	73, 52.855, 50.899
Yxy	45.4118, 0.4605, 0.3775
Android (android.graphics.Color)	4294941290 (0xFFFF9A6A)
YUV	178.7270, -35.8544, 66.8914
Hunter-Lab	67.3883, 28.8060, 30.0258

Details

The Yxy color **45.4118, 0.4605, 0.3775** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **54.9157, 0.2270, 0.2692**, and the grayscale version is **45.0933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3296, 0.3867, 0.3818**, and **21.2675, 0.4996, 0.3831** is the 20% darker color. If you saturate the color by 10%, you get **39.6585, 0.4968, 0.3817**, and if you desaturate by 10%, it is **52.1491, 0.4264, 0.3706**.

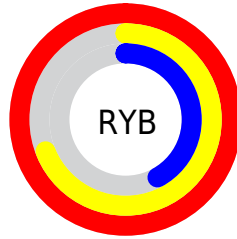
Distribution



Red (100%)

Green (60%)

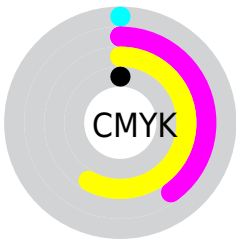
Blue (42%)



Red (100%)

Yellow (69%)

Blue (42%)

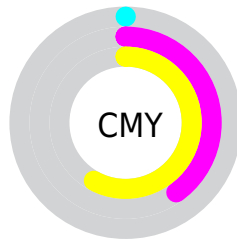


Cyan (0%)

Magenta (40%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4118, 0.4605, 0.3775 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 45.4118, 0.4605, 0.3775 by changing the saturation by 10% instead.


 45.4118, 0.4605,
0.3775

 45.4118, 0.4605,
0.3775


368.4388, 0.3868,
0.3585

 31.7819, 0.4780,
0.3803


 83.3380, 0.4342,
0.3720

 21.1950, 0.4998,
0.3826


 108.4031, 0.4242,
0.3695

 13.2666, 0.5271,
0.3836


 138.0488, 0.4156,
0.3673

 7.6124, 0.5617,
0.3812

 172.6594, 0.4082,
0.3652

 3.8479, 0.6201,
0.3799

212.6193, 0.4018,
0.3633

 1.5889, 0.6581,
0.3419

258.3129, 0.3962,

 0.3501, 0.7719,

0.3616

0.2281

310.1246, 0.3913,
0.3600

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.4118, 0.4605,
0.3775

45.4118, 0.4605,
0.3775

39.6585, 0.4968,
0.3817

52.1491, 0.4264,
0.3706

34.8329, 0.5327,
0.3820

59.9090, 0.3957,
0.3623

30.8827, 0.5649,
0.3774

68.7363, 0.3690,
0.3533

27.7435, 0.5904,
0.3681

78.6708, 0.3461,
0.3444

■ 27.3137, 0.5940,
0.3665

■ 89.7504, 0.3267,
0.3358

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



45.4118, 0.4404, 0.3225



45.4118, 0.4605, 0.3775



45.4118, 0.4356, 0.4296

Triad

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



45.4118, 0.4605, 0.3775



45.4118, 0.2421, 0.3946



45.4118, 0.2381, 0.2170

Complementary

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



45.4118, 0.4605, 0.3775



54.9157, 0.2270, 0.2692

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.



45.4118, 0.1974, 0.2219



45.4118, 0.4605, 0.3775



45.4118, 0.1985, 0.3155

Square

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



45.4118, 0.4605, 0.3775



45.4118, 0.3079, 0.4544



45.4118, 0.1839, 0.2540



45.4118, 0.3031, 0.2353

Rectangle

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



45.4118, 0.4605, 0.3775



45.4118, 0.4002, 0.4556



45.4118, 0.1839, 0.2540



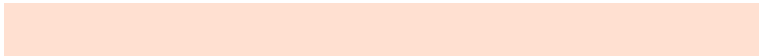
45.4118, 0.2216, 0.2159

Sweetspot

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



45.4141, 0.4605, 0.3775



79.1178, 0.3452, 0.3440



36.1173, 0.3670, 0.2295



16.2877, 0.3514, 0.3466



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.



45.4141, 0.4605, 0.3775



38.8379, 0.5025, 0.3820



77.6121, 0.4110, 0.4461



18.9422, 0.3286, 0.3367



14.5110, 0.5911, 0.3689



1.6010, 0.5690, 0.3864

Inverse Universe

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



54.9157, 0.2270, 0.2692



48.9388, 0.2144, 0.2549



27.1527, 0.2056, 0.1722



19.4369, 0.2980, 0.3212



19.6441, 0.1944, 0.2199



2.1108, 0.1983, 0.2338

Previews

White Background



This preview shows how the Yxy color 45.4118, 0.4605, 0.3775 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 45.4118, 0.4605, 0.3775 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 45.4118, 0.4605, 0.3775

Background



This preview shows how black text looks on a background with the Yxy color 45.4118, 0.4605, 0.3775.



This preview shows how white text looks on a background with the Yxy color 45.4118, 0.4605, 0.3775.

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

45.4118, 0.4605, 0.3775

Protanopia

45.6392, 0.3806, 0.4112

Deuteranopia

45.5244, 0.4184, 0.4109



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.4118, 0.4605, 0.3775

Protanomaly

45.0474, 0.4089, 0.3996

Deuteranomaly

45.0453, 0.4346, 0.3981

Tritanomaly

45.2867, 0.4293, 0.3408

Monochromacy



Original Color

45.4118, 0.4605, 0.3775

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.2818, 0.3636, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4118, 0.4605, 0.3775 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, 154, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 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, 154, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 106) }
```

Border

The CSS property to change the border of an element to Yxy 45.4118, 0.4605, 0.3775 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, 154, 106) }
```

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

```
.border{ border-color:rgb(255, 154, 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, 154, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4118, 0.4605, 0.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 106) }
```

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

```
.background{ background-color: rgb(255,  
154, 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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